

AMERICAN GILSONITE COMPANY  
A Chevron Company  
Bonanza, Utah 84008

July 12, 1984

TO WHOM IT MAY CONCERN:

D. E. Casada Construction Co. for Davis Oil Company has been given permission to haul water from American Gilsonite Company's water house for \$15.00 a load.

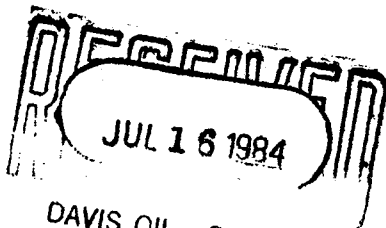
American Gilsonite Company's Hazard Training must be complied with (wear hard hats, safety glasses and safety toed shoes, etc.) and the area kept clean and neat at all times.

Very truly yours,

Kay Timothy

*D.E. Casada Construction has  
been granted permission to receive  
amount of water needed.*

*Kay Timothy*



DAVIS OIL COMPANY  
MILL, WYO. 82044

DAVIS OIL COMPANY  
BOX 534  
MILLS, WYOMING 82644  
PHONE 307/265-3452



July 20, 1984

JUL 23 1984

Bureau of Land Management  
District Manager  
170 South, 500 East  
Vernal, Utah 84078

DIVISION OF OIL  
GAS & MINING

Re: #2 Little Bonanza Federal  
SWSW Sec. 18-T8S-R25E  
Uintah County, Utah

Gentlemen:

Enclosed please find for your approval, an original and three copies of the Application for Permit to Drill, together with four copies of the Staking Plat covering the drilling of the captioned proposed test. Designation of Operator from Cotton Petroleum and Bucknorn will be forthcoming.

By carbon copy of this letter to the State of Utah, Department of Natural Resources, Divisions of Oil, Gas & Mining, we are furnishing them with a copy of our application and plat.

Your early attention to the approval of said application will be appreciated.

Very truly yours,

DAVIS OIL COMPANY

Garry L. Roggow  
Field Representative

GLR/jl  
Enclosures

~~cc:~~ The State of Utah - Department of Natural Resources

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENT

APPLICATION FOR PERMIT TO DRILL, DEEPEN, OR PLUG BACK

1a. TYPE OF WORK

DRILL ☒

DEEPEN ☐

PLUG BACK ☐

b. TYPE OF WELL

OIL  
WELL ☒

GAS  
WELL ☐

OTHER

SINGLE  
ZONE ☒

MULTIPLE  
ZONE ☐

2. NAME OF OPERATOR

DAVIS OIL COMPANY

3. ADDRESS OF OPERATOR

410 17th Street, Suite 1400, Denver, Colorado 80202

4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements.)

At surface

SWSW Sec. 18, T8S, R25E

At proposed prod. zone

705' FWL, 677' FSL

14. DISTANCE IN MILES AND DIRECTION FROM NEAREST TOWN OR POST OFFICE\*

6½ miles north of Bonanza, Utah

15. DISTANCE FROM PROPOSED\*

LOCATION TO NEAREST  
PROPERTY OR LEASE LINE, FT.  
(Also to nearest drlg. unit line, if any)

660' north

18. DISTANCE FROM PROPOSED LOCATION\*  
TO NEAREST WELL, DRILLING, COMPLETED,  
OR APPLIED FOR, ON THIS LEASE, FT.

NONE

16. NO. OF ACRES IN LEASE

19. PROPOSED DEPTH  
4300' *watch*

17. NO. OF ACRES ASSIGNED  
TO THIS WELL

20. ROTARY OR CABLE TOOLS  
Rotary

21. ELEVATIONS (Show whether DF, RT, GR, etc.)

5374' GR

22. APPROX. DATE WORK WILL START\*

Upon approval

23. PROPOSED CASING AND CEMENTING PROGRAM

SIZE OF HOLE	SIZE OF CASING	WEIGHT PER FOOT	SETTING DEPTH	QUANTITY OF CEMENT
12 1/4"	9 5/8"	36# K-55	STC (NEW) 450'	0-450' 300 sxs. est.
8 3/4"	5 1/2"	15.5# K-55	LTC (NEW) 4300'	0-4300' 200 sxs. est.

CONDUCTOR: 26" hole size, 21" csg. size, 0-30' corrugated pipe.  
Cement with 3 yards Redi mix to surface.

RECEIVED

JUL 23 1984

DIVISION OF OIL  
GAS & MINING

APPROVED BY THE STATE  
OF UTAH DIVISION OF  
OIL, GAS, AND MINING

DATE: 7/30/84  
BY: John K. Bay

IN ABOVE SPACE DESCRIBE PROPOSED PROGRAM: If proposal is to deepen or plug back, give data on present productive zone and proposed new productive zone. If proposal is to drill or deepen directionally, give pertinent data on subsurface locations and measured and true vertical depths. Give blowout preventer program, if any.

24.

SIGNED

Ed Lafaye

TITLE Chief Geologist

DATE 7/18/84

(This space for Federal or State office use)

PERMIT NO. \_\_\_\_\_

APPROVAL DATE \_\_\_\_\_

APPROVED BY \_\_\_\_\_

TITLE \_\_\_\_\_

DATE \_\_\_\_\_

CONDITIONS OF APPROVAL, IF ANY:

\*See Instructions On Reverse Side

**T 8 S, R 25 E, S.L.B.&M.**

PROJECT

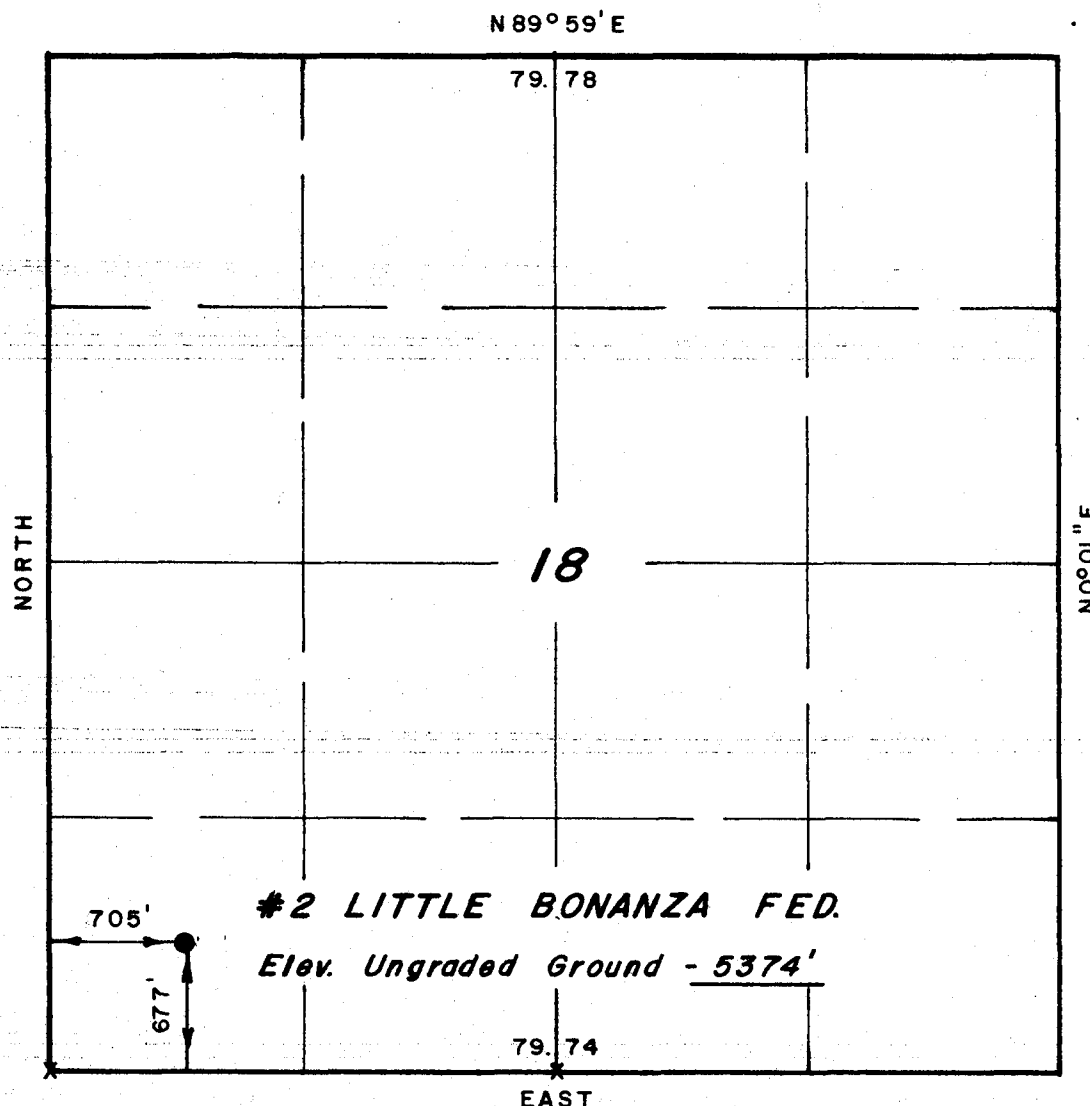
**DAVIS OIL COMPANY**

Well location, #2 **LITTLE BONANZA FED.**, located as shown in the SW 1/4 SW 1/4 Section 18, T 8 S, R 25 E, S.L. B. & M. Uintah County, Utah.

**RECEIVED**

**JUL 23 1984**

**DIVISION OF OIL  
GAS & MINING**



**CERTIFICATE**

THIS IS TO CERTIFY THAT THE ABOVE PLAT WAS PREPARED FROM FIELD NOTES OF ACTUAL SURVEYS MADE BY ME OR UNDER MY SUPERVISION AND THAT THE SAME ARE TRUE AND CORRECT TO THE BEST OF MY KNOWLEDGE AND BELIEF.

*[Signature]*  
REGISTERED LAND SURVEYOR  
REGISTRATION NO 2454  
STATE OF UTAH

**UINTAH ENGINEERING & LAND SURVEYING**  
P. O. BOX Q - 85 SOUTH - 200 EAST  
VERNAL, UTAH - 84078

X = Section Corners Located

SCALE	1" = 1000'	DATE	6/28/84
PARTY	D.A. J.H.	SB.	REFERENCES GLO Plat
WEATHER	Warm	FILE	DAVIS OIL

DRILLING PROGRAM1. Surface Formation and Estimated Formation Tops:

Surface Formation: Quaternary Allunium

## Estimated Tops:

Quaternary Allunium	Surface
Green River	1400'
Douglas Creek	3300'
Wasatch Tongue	3840'
Wasatch	4055'
TD	4300'

2. Estimated Depth at Which Oil, Gas, Water or Other Mineral Bearing Zones are Expected to be Encountered:

<u>Formation</u>	<u>Depth</u>	<u>Zone</u>
Quaternary Allunium	Surface	water
Green River	1400'	shale, limestone, sandstone
Douglas Creek	3300'	shale, limestone, sandstone
Wasatch Tongue	3840'	shale, sandstone, oil bearing
Wasatch	4055'	shale, sandstone,

All fresh water and prospectively valuable minerals (as described by BLM at onsite) encountered during drilling, will be recorded by depth and adequately protected. All oil and gas shows will be tested to determine commercial potential.

3. Pressure Control Equipment: (See Attached Schematic Diagram) Ram type preventers and related pressure control equipment will be pressure tested to 2000 p.s.i.

BOP systems will be consistent with API RP 53. Pressure tests will be conducted before drilling out from under all casing strings which are set and cemented in place. Blowout preventer controls will be installed prior to drilling the surface casing plug and will remain in use until the well is completed or abandoned. Preventers will be inspected and operated at least daily to ensure good mechanical working order, and this inspection recorded on the daily drilling report. Preventers will be pressure tested before drilling casing cement plugs.

The District Office should be notified, with sufficient lead time, in order to have a BLM representative on location during pressure testing.

4. Casing Program and Auxilliary Equipment: Casing Program:

Hole Size	Csg. Size	WT., lb/ft.	Grade	Thread	New/ Used	Interval	Safety Factors		
							T	C	B
26"	21"	Corrugated Pipe			New	0-30	-	-	-
12 1/4	9 5/8	36	K-55	STC	New	0-450	26	9.6	1.8
8 3/4	5 1/2	15.5	K-55	LTC	New	0-4300	3.6	2.0	8.1

Tubing: Length 4300, Size 2 7/8 Wt. 6.5, Grade: J-55, Thd: 8rd EUE

## B. Conductor pipe will be cemented to surface with 3 yards Redi-Mix. Surface casing to be cemented with approximately 300 sxs. Class G cement to surface. Light cement may be used if hole conditions dictate it is required. Surface casing will be cemented with 1" pipe from surface if there are no cement returns. Production casing will be cemented with approximately 200 sxs. Class G cement. Anticipated top of cement is 3650 feet or 200' above zones proven to be commercially productive.

## C. Surface casing will be pressure tested to 2000 PSIG. Production casing will be pressure tested to 3650 PSIG.

Auxilliary Equipment:

1. Upper kelly cock
2. Drill pipe float will be used at contractor's option.
3. Monitoring or mud system will be by a pit volume totalizer and flow sensor.
4. A sub on the floor with a full opening safety valve to be stabbed into the drill string when the Kelly is not in the string.

#2 Little Bonanza Federal

Anticipated cement tops will be reported as to depth, not the expected number of sacks of cement to be used. The District Office should be notified, with sufficient lead time, in order to have a BLM representative on location while running all casing strings and cementing.

5. Mud Program and Circulating Medium:

Mud Program:

0-450' spud mud

450-2000' treated water

2000-4300' LSND Maximum mud weight 9.0 ppg based on offset well information, 35-45 vis., 10 cc W.L., PH 9-10

Sufficient mud materials to build an active system will be available at the well site.

No chromate additives will be used in the mud system on Federal and Indian lands without prior BLM approval to ensure adequate protection of fresh water aquifers.

6. Coring, Logging, and Testing Program:

Coring: None

Logging:

DIL - from base of surface casing to TD.

CNL-FDC - from 2000' to TD

GR-Sonic - tool to be on location if hole condition dictates its use.

Testing:

Based on shows

Whether the well is completed as a dry hole or as a producer, "Well Completion and Recompletion Report and Log" (Form 3160-4) will be submitted not later than 30 days after completion of the well or after completion of operations being performed, in accordance with 43 CFR 3164. Two copies of all logs, core descriptions, core analysis, well-test data, geologic summaries, sample description, and all other surveys or data obtained and compiled during the drilling, workover, and/or completion operations, will be filed with form 3160-4. Samples (cuttings, fluids, and/or gases) will be submitted when requested by the authorized officer (AO).

7. Abnormal Conditions, Bottom Hole Pressures and Potential Hazards: This firm does not anticipate any abnormal pressure of temperatures or any other hazards. This is based on previous geological data from nearby wells.

Estimated Bottom Hole Pressure: 2010 PSI

Estimated Maximum Surface Pressure: 600 PSI

8. Anticipated Starting Dates and Notifications of Operations:

Location construction: 30-45 days

Spud date: 30-60 days

No location will be constructed or moved, no well will be plugged, and no drilling or workover equipment will be removed from a well to be placed in a suspended status without prior approval of the AO. If operations are to be suspended, prior approval of the AO will be obtained and notification given before resumption of operations.

The spud date will be reported orally to the AO within 48 hours after spudding. If the spudding occurs on a weekend or holiday, the report will be submitted on the following regular work day. The oral report will be followed up with a Sundry Notice.

In accordance with Onshore Oil and Gas Order No. 1, this well will be reported on Form 9-329 "Monthly Report of Operations", starting with the month in which operations commence and continue each month until the well is physically plugged and abandoned. This report will be filed, in duplicate, to the Vernal BLM District Office, 170 South 500 East, Vernal, Utah 84078.

Immediate Report: Spills, blowouts, fires, leaks, accidents, or any other unusual occurrences shall be promptly reported in accordance with the requirement of NTL-3A or its revision.

If a replacement rig is contemplated for completion operations, a "Sundry Notice" (Form 3160-5) to that effect will be filed, for prior approval of the AO, and all conditions of this approved plan are applicable during all operations conducted with the replacement rig.

Should the well be successfully completed for production, the AO will be notified when the well is placed in a producing status. Such notification will be sent by telegram or other written communication, not later than 5 days following the date on which the well is placed on production.

Pursuant to NTL-2B, with the approval of the District Engineer, produced water may be temporarily disposed of into unlined pits for a period of up to 90 days. During the period so authorized, an application for approval of the permanent disposal method, along with the required water analysis and other information, must be submitted to the District Engineer.

Pursuant to NTL-4A, lessees or operators are authorized to vent/flare gas during initial well evaluation tests, not exceeding a period of 30 days or the production of 50 MMCF of gas, whichever occurs first. An application must be filed with the District Engineer and approval received, for any venting/flaring of gas beyond the initial 30 day or authorized test period.

A schematic facilities diagram as required by 43 CFR 3162.7-2, 3162.7-3, and 3162.7-4 shall be submitted to the appropriate District Office within 30 days of installation or first production, whichever occurs first. All site security regulations as specified in 43 CFR 3162.7 shall be adhered to. All product lines entering and leaving hydrocarbon storage tanks will be effectively sealed in accordance with 43 CFR 3162.7-4.

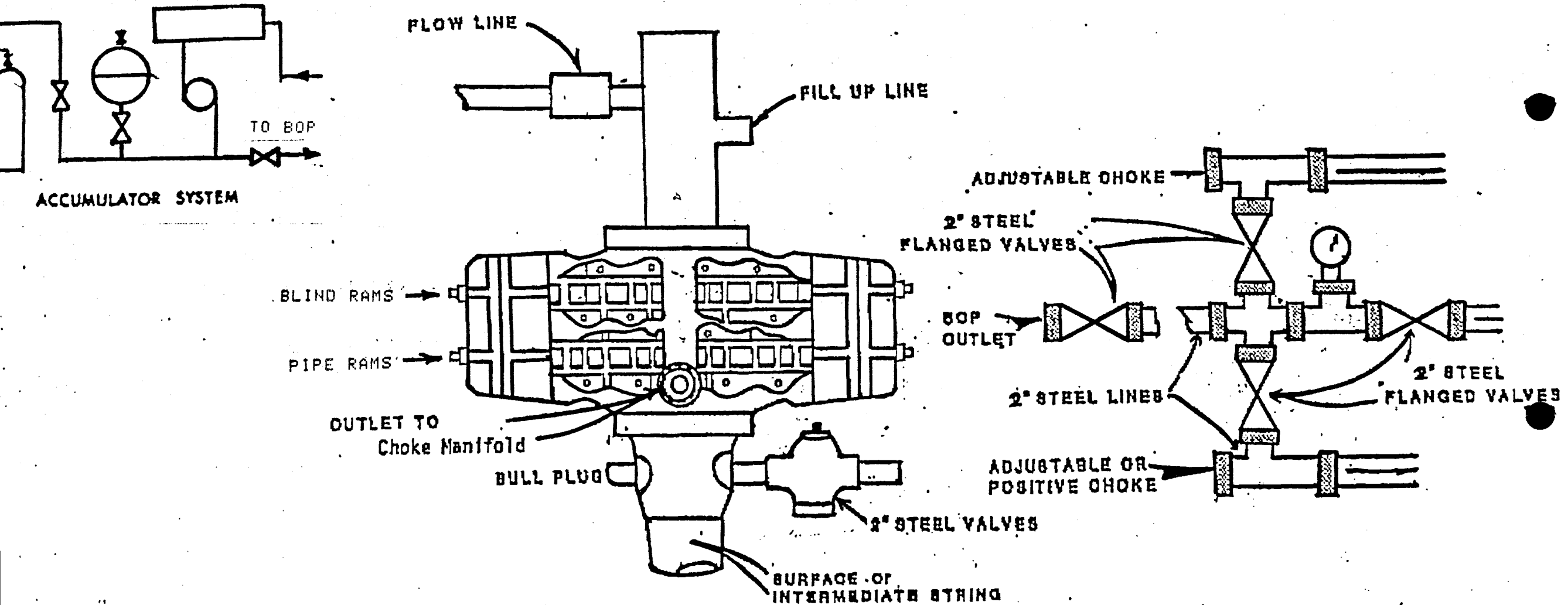
A first production conference will be scheduled within 15 days after receipt of the first production notice.

No well abandonment operations will be commenced without the prior approval of the AO. In the case of newly drilled dry holes or failures, and in emergency situations, oral approval will be obtained from the SO. A "Subsequent Report of Abandonment" Form 3160-5, will be filed with the AO within 30 days following completion of the well for abandonment. This report will indicate where plugs were placed and the current status of surface restoration. Final abandonment will not be approved until the surface reclamation work required by the approved APD or approved abandonment notice has been completed to the satisfaction of the AO or his representative, or the appropriate Surface Managing Agency.

Pursuant to Onshore Oil and Gas Order No. 1, lessees and operators have the responsibility to see that their exploration, development, production, and construction operations are conducted in a manner which conforms with applicable Federal laws and regulations and with State and local laws and regulations to the extent that such State and local laws are applicable to operations on Federal or Indian lands.

# BOP AND CHOKE MANIFOLD SCHEMATIC

3000 PSI WORKING PRESSURE



1. Handwheels will be installed and labeled for the manual operation of rams.
2. The minimum acceptable accumulator system will be a 40-gallon 2-station unit and fireproof hydraulic lines to BOP's.
3. The location of the accumulator will be on ground level with labeled controls.





STATE OF UTAH  
NATURAL RESOURCES & ENERGY  
Water Rights

23 East Main Street • P.O. Box 879 • Vernal, UT 84073 • 801-789-3714

Scott M. Matheson, Governor  
Temple A. Reynolds, Executive Director  
Dee C. Hansen, State Engineer

July 19, 1984

**RECEIVED**

**JUL 23 1984**

**DIVISION OF OIL  
GAS & MINING**

Davis Oil Company  
P. O. Box 534  
Mills, Wyoming 82644

RE: Temporary Change 84-49-42

Gentlemen:

The above numbered Temporary Change Application has been approved, subject to prior rights.

A copy is herewith returned to you for your records and future reference.

Sincerely yours,

Robert F. Guy  
for Dee C. Hansen, P. E.  
State Engineer

DCH:RFG/ln

Enclosure

cc; Oil, Gas & Mining

APPLICATION NO. 84-49-42

DISTRIBUTION SYSTEM. ....

# Application For Temporary Change of Point of Diversion Place or Purpose of Use

**RECEIVED****STATE OF UTAH**

JUL 23 1984

(To Be Filed in Duplicate)

DIVISION OF OIL  
GAS & MINING

Vernal Utah July 12 19 84  
Place Date

For the purpose of obtaining permission to temporarily change the point of diversion, place or purpose of use  
(Strike out written matter not needed)

of water, the right to the use of which was acquired by A. 29909 (49-222) Cert. 9915  
(Give No. of application, title and date of Decree and Award No.)  
to that hereinafter described, application is hereby made to the State Engineer, based upon the following showing of facts, submitted in accordance with the requirements of the Laws of Utah.

- The owner of right or application is American Gilsonite Co.
- The name of the person making this application is Davis Oil Company
- The post office address of the applicant is P.O. Box 534 -- Mills, Wyoming 82644

**PAST USE OF WATER**

- The flow of water which has been used in second feet is 4.30
- The quantity of water which has been used in acre feet is .....
- The water has been used each year from Jan. 1 to Dec. 31, incl.  
(Month) (Day) (Month) (Day)
- The water has been stored each year from ..... to ..... incl.  
(Month) (Day) (Month) (Day)
- The direct source of supply is 19 wells in Uintah County.
- The water has been diverted into pipeline ditch canal at a point located SEE APPLICATION
- The water involved has been used for the following purpose: Irrigation, Stockwatering of 10,000 sheep, domestic for 300 people, mining

Total ..... acres.

NOTE: If for irrigation, give legal subdivisions of land and total acreage which has been irrigated. If for other purposes, give place and purpose of use.

**THE FOLLOWING TEMPORARY CHANGES ARE PROPOSED**

- The flow of water to be changed in cubic feet per second is .....
- The quantity of water to be changed in acre-feet is 3.0
- The water will be diverted into the tank trucks ditch canal at a point located In Bonanza at the collection tank: Sec. 23, T9S, R24E, SLB&M
- The change will be made from July 20, 1984, 19 ....., to Dec. 31, 19 84.  
(Period must not exceed one year)
- The reasons for the change are Oil Well drilling
- The water involved herein has heretofore been temporarily changed ..... years prior to this application.  
(List years change has been made)
- The water involved is to be used for the following purpose: Drilling of oil well: Little Bonanza Federal # 2 in Section 18, T8S, R25E, SLB&M (SW $\frac{1}{4}$ SW $\frac{1}{4}$ )

Total ..... acres.

NOTE: If for irrigation, give legal subdivisions of land to be irrigated. If for other purposes, give place and purpose of proposed use.

**EXPLANATORY**

A filing fee in the sum of \$5.00 is submitted herewith. I agree to pay an additional fee for either investigating or advertising this change, or both, upon the request of the State Engineer.

Roy A. Moyer Field Representative  
Signature of Applicant Davis Oil Co.

RULES AND REGULATIONS

(Read Carefully)

This application blank is to be used only for temporary change of point of diversion, place or nature of use for a definitely fixed period not to exceed one year. If a permanent change is desired, request proper application blanks from the State Engineer.

Application for temporary change must be filed in duplicate, accompanied by a filing fee of \$7.50. Where the water affected is under supervision of a Water Commissioner, appointed by the State Engineer, time will be saved if the Application is filed with the Commissioner, who will promptly investigate the proposed change and forward both copies with filing fee and his report to the State Engineer. Applications filed directly with the State Engineer will be mailed to the Water Commissioner for investigation and report. If there be no Water Commissioner on the source, the Application must be filed with the State Engineer.

When the State Engineer finds that the change will not impair the rights of others he will authorize the change to be made. If he shall find, either by his own investigation or otherwise, that the change sought might impair existing rights he shall give notice to persons whose rights might be affected and shall give them opportunity to be heard before acting upon the Application. Such notice shall be given five days before the hearing either by regular mail or by one publication in a newspaper. Before making an investigation or giving notice the State Engineer will require the applicant to deposit a sum of money sufficient to pay the expenses thereof.

Address all communications to:

State Engineer  
State Capitol Building  
Salt Lake City, Utah

STATE ENGINEER'S ENDORSEMENTS

(Not to be filled in by applicant)

Change Application No. \_\_\_\_\_ (River System)

1. \_\_\_\_\_ Application received by Water Commissioner \_\_\_\_\_ (Name of Commissioner)
- Recommendation of Commissioner \_\_\_\_\_
2. 7/18/84 Application received over counter in State Engineer's Office by L. N.  
by mail
3. \_\_\_\_\_ Fee for filing application, \$7.50 received by \_\_\_\_\_ ; Rec. No. \_\_\_\_\_
4. \_\_\_\_\_ Application returned, with letter, to \_\_\_\_\_, for correction.
5. \_\_\_\_\_ Corrected application resubmitted over counter to State Engineer's Office.  
by mail
6. \_\_\_\_\_ Fee for investigation requested \$ \_\_\_\_\_
7. \_\_\_\_\_ Fee for investigation \$ \_\_\_\_\_, received by \_\_\_\_\_ ; Rec. No. \_\_\_\_\_
8. \_\_\_\_\_ Investigation made by \_\_\_\_\_ ; Recommendations: \_\_\_\_\_
9. \_\_\_\_\_ Fee for giving notice requested \$ \_\_\_\_\_
10. \_\_\_\_\_ Fee for giving notice \$ \_\_\_\_\_, received by \_\_\_\_\_ ; Rec. No. \_\_\_\_\_
11. \_\_\_\_\_ Application approved for advertising by publication by \_\_\_\_\_  
mail
12. \_\_\_\_\_ Notice published in \_\_\_\_\_
13. \_\_\_\_\_ Notice of pending change application mailed to interested parties by \_\_\_\_\_ as follows: \_\_\_\_\_
14. \_\_\_\_\_ Change application protested by \_\_\_\_\_ (Date Received and Name)
15. \_\_\_\_\_ Hearing set for \_\_\_\_\_, at \_\_\_\_\_
16. 7/18/84 Application recommended for rejection by RFH  
approval
17. 7/18/84 Change Application rejected and returned to \_\_\_\_\_  
approved

THIS APPLICATION IS APPROVED SUBJECT TO THE FOLLOWING CONDITIONS:

1. \_\_\_\_\_
2. \_\_\_\_\_
3. \_\_\_\_\_

Robert J. Hansen for  
Dee C. Hansen, P. E., State Engineer

DAVIS OIL COMPANY  
BOX 534  
MILLS, WYOMING 82644  

---

PHONE 307/265-3452



July 23, 1984

RECEIVED

JUL 26 1984

DIVISION OF OIL  
GAS & MINING

Department of Natural Resources  
Division of Oil and Gas Mining  
4241 State Office Building  
Salt Lake City, Utah 84114

Re: Little Bonanza Federal #2  
SWSW Sec. 18-T8S-R25E  
Uinta County, Utah

Dear Sirs:

Please find enclosed a copy of an Application for Temporary Change of Point of Diversion, Place or Purpose of Use on the above captioned location.

Respectfully yours,

DAVIS OIL COMPANY

Garry L. Roggow  
Field Representative

GLR/j1

Enclosure

APPLICATION NO. 84-49-42

DISTRIBUTION SYSTEM

## Application For Temporary Change of Point of Diversion,

Place or Purpose of Use

STATE OF UTAH

(To Be Filed in Duplicate)

RECEIVED

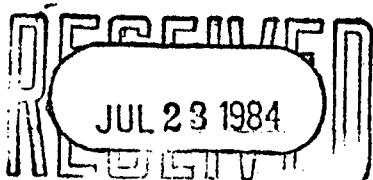
COPY

JUL 26 1984

DIVISION OF OIL

GAS &amp; MINING

JUL 12 1984

DAVIS OIL COMPANY  
MILLS, WYO. 82644

Vernal

Utah

Place

Date

For the purpose of obtaining permission to temporarily change the point of diversion, place or purpose of use  
(Strike out written matter not needed)of water, the right to the use of which was acquired by A. 29909 (49-222) Cert. 9915

(Give No. of application, title and date of Decree and Award No.)

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Total \_\_\_\_\_ acres.

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- The change will be made from July 20, 1984, 19\_\_\_\_, to Dec. 31, 19\_\_\_\_84.  
(Period must not exceed one year)
- The reasons for the change are Oil Well drilling
- The water involved herein has heretofore been temporarily changed \_\_\_\_\_ years prior to this application.  
(List years change has been made)
- The water involved is to be used for the following purpose: Drilling of oil well: Little Bonanza Federal # 2 in Section 18, T8S, R25E, SLB&M (SW $\frac{1}{2}$ SW $\frac{1}{2}$ )

Total \_\_\_\_\_ acres.

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## EXPLANATORY

A filing fee in the sum of \$5.00 is submitted herewith. I agree to pay an additional fee for either investigating or advertising this change, or both, upon the request of the State Engineer.

*X Roy A. Moyer Field Representative*

# RULES AND REGULATIONS

(Read Carefully)

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Application for temporary change must be filed in duplicate, accompanied by a filing fee of \$7.50. Where the water affected is under supervision of a Water Commissioner, appointed by the State Engineer, time will be saved if the Application is filed with the Commissioner, who will promptly investigate the proposed change and forward both copies with filing fee and his report to the State Engineer. Applications filed directly with the State Engineer will be mailed to the Water Commissioner for investigation and report. If there be no Water Commissioner on the source, the Application must be filed with the State Engineer.

When the State Engineer finds that the change will not impair the rights of others he will authorize the change to be made. If he shall find, either by his own investigation or otherwise, that the change sought might impair existing rights he shall give notice to persons whose rights might be affected and shall give them opportunity to be heard before acting upon the Application. Such notice shall be given five days before the hearing either by regular mail or by one publication in a newspaper. Before making an investigation or giving notice the State Engineer will require the applicant to deposit a sum of money sufficient to pay the expenses thereof.

Address all communications to:

State Engineer  
State Capitol Building  
Salt Lake City, Utah

**COPY  
RECEIVED**

**JUL 26 1984**

## STATE ENGINEER'S ENDORSEMENTS

(Not to be filled in by applicant)

**DIVISION OF OIL  
GAS & MINING**

Change Application No. \_\_\_\_\_  
(River System)

1. \_\_\_\_\_ Application received by Water Commissioner \_\_\_\_\_  
(Name of Commissioner)
2. 7/18/84 Recommendation of Commissioner \_\_\_\_\_  
Application received over counter in State Engineer's Office by P. H.  
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6. \_\_\_\_\_ Fee for investigation requested \$ \_\_\_\_\_
7. \_\_\_\_\_ Fee for investigation \$ \_\_\_\_\_, received by \_\_\_\_\_; Rec. No. \_\_\_\_\_
8. \_\_\_\_\_ Investigation made by \_\_\_\_\_; Recommendations: \_\_\_\_\_
9. \_\_\_\_\_ Fee for giving notice requested \$ \_\_\_\_\_
10. \_\_\_\_\_ Fee for giving notice \$ \_\_\_\_\_, received by \_\_\_\_\_; Rec. No. \_\_\_\_\_
11. \_\_\_\_\_ Application approved for advertising by publication by \_\_\_\_\_  
mail
12. \_\_\_\_\_ Notice published in \_\_\_\_\_
13. \_\_\_\_\_ Notice of pending change application mailed to interested parties by \_\_\_\_\_ as follows:  
\_\_\_\_\_  
\_\_\_\_\_
14. \_\_\_\_\_ Change application protested by \_\_\_\_\_  
(Date Received and Name)
15. \_\_\_\_\_ Hearing set for \_\_\_\_\_ at \_\_\_\_\_
16. 7/18/84 Application recommended for rejection by RFH  
approval
17. 7/18/84 Change Application rejected and returned to \_\_\_\_\_  
approved

THIS APPLICATION IS APPROVED SUBJECT TO THE FOLLOWING CONDITIONS:

1. \_\_\_\_\_
2. \_\_\_\_\_
3. \_\_\_\_\_

Robert E. Hansen for  
Dee C. Hansen, P. E., State Engineer

OPERATOR Davis Oil Company DATE 9/27/84  
WELL NAME Little Bonanza Federal #2  
SEC SWSW 18 T 8S R 25E COUNTY Utah

43-047-31521

API NUMBER

7d

TYPE OF LEASE

POSTING CHECK OFF:

☐

INDEX

☐

HL

☐☐

NID

☐

PI

☐☐

MAP

☐☐

PROCESSING COMMENTS:

Water OK 84-49-42  
Will produce from Green River formation  
Completion in Wasatch is OK by State Spacing  
(Drill Unit # 24)

APPROVAL LETTER:

SPACING:

☐

A-3

UNIT

☒

c-3-a

129-1 9-13-67

CAUSE NO. & DATE

☒

c-3-b

☐

c-3-c

SPECIAL LANGUAGE:

1. Completion in DKKV formation only.

☒ RECONCILE WELL NAME AND LOCATION ON APD AGAINST SAME DATA ON PLAT MAP.

☒ AUTHENTICATE LEASE AND OPERATOR INFORMATION

☒ VERIFY ADEQUATE AND PROPER BONDING

☒ AUTHENTICATE IF SITE IS IN A NAMED FIELD, ETC.

☒ APPLY SPACING CONSIDERATION

☐ ORDER 129-1

☐ UNIT \_\_\_\_\_

☐ c-3-b

☐ c-3-c

☒ CHECK DISTANCE TO NEAREST WELL.

☒ CHECK OUTSTANDING OR OVERDUE REPORTS FOR OPERATOR'S OTHER WELLS.

☒ IF POTASH DESIGNATED AREA, SPECIAL LANGUAGE ON APPROVAL LETTER

☒ IF IN OIL SHALE DESIGNATED AREA, SPECIAL APPROVAL LANGUAGE.



July 30, 1984

Davis Oil Company  
410 17th Street, Suite 1400  
Denver, Colorado 80202

RE: Well No. Little Bonanza Fed #2  
SWSW Sec. 18, T. 8S, R. 25E  
677' FSL, 705' FWL  
Uintah County, Utah

Gentlemen:

Approval to drill the above referenced oil well is hereby granted in accordance with Order of Cause No. 129-1 dated September 13, 1967, and Rule C-3 (b), General Rules and Regulations and Rules of Practice and Procedure, subject to the following stipulation:

1. The well can be completed in both the Green River and Wasatch formations with the Green River formation permitted under Cause No. 129-1, and the Wasatch formation permitted under Rule C-3 (b).

In addition, the following actions are necessary to fully comply with this approval:

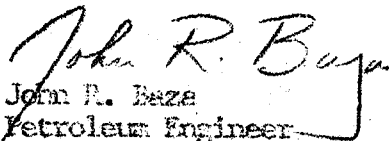
1. Spudding notification to the Division within 24 hours after drilling operations commence.
2. Submittal to the Division of completed Form OGC-8-X, Report of Water Encountered During Drilling.
3. Prompt notification to the Division should you determine that it is necessary to plug and abandon this well. Notify John R. Eaza, Petroleum Engineer, (Office) (801) 533-5771, (Home) 298-7695 or R. J. Firth, Associate Director, (Home) 571-6068.
4. Compliance with the requirements and regulations of Rule C-27, Associated Gas Flaring, General Rules and Regulations, Oil and Gas Conservation.

Page 2  
Davis Oil Company  
Well No. Little Bonanza Fed #2  
July 30, 1984

5. This approval shall expire one (1) year after date of issuance unless substantial and continuous operation is underway or an application for an extension is made prior to the approval expiration date.

The API number assigned to this well is 43-047-31521.

Sincerely,

  
John R. Baze  
Petroleum Engineer

JTB/sl  
cc: Branch of Fluid Minerals  
Enclosures



**TXO PRODUCTION CORP.**

1800 LINCOLN CENTER BUILDING  
DENVER, COLORADO 80264

TELEPHONE (303) 861-4246

August 22, 1984

Utah Division of Oil, Gas & Mining  
4241 State Office Building  
Salt Lake City, Utah 84114

Re: Little Bonanza Federal #2  
SW/SW Section 18-T8S-R25E  
Uintah County, Utah

Gentlemen:

Enclosed for your review and approval are the original and two copies of a Sundry Notice regarding the referenced well. TXO Production Corp., rather than Davis Oil Company, will be the operator of this well.

If you have any questions regarding this change of operators, please contact me at this office.

Very truly yours,

TXO PRODUCTION CORP.

A handwritten signature in cursive script that reads 'Charles K. Curlee'.

Charles K. Curlee  
Environmental Manager

CKC/jy

Enclosures/as stated



STATE OF UTAH  
DEPARTMENT OF NATURAL RESOURCES  
DIVISION OF OIL, GAS, AND MINING

## SUNDRY NOTICES AND REPORTS ON WELLS

(Do not use this form for proposals to drill or to deepen or plug back to a different reservoir.  
Use "APPLICATION FOR PERMIT—" for such proposals.)

1. OIL WELL <input checked="" type="checkbox"/> GAS WELL <input type="checkbox"/> OTHER <input type="checkbox"/>		5. LEASE DESIGNATION AND SERIAL NO. Federal U-27518
2. NAME OF OPERATOR TXO Production Corp.		6. IF INDIAN, ALLOTTEE OR TRIBE NAME -
3. ADDRESS OF OPERATOR 1800 Lincoln Center Building, Denver, Colorado 80264		7. UNIT AGREEMENT NAME -
4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements.* See also space 17 below.) At surface  677' FSL, 705' FWL Section 18-T8S-R25E		8. FARM OR LEASE NAME Little Bonanza Federal
14. PERMIT NO. API No. 43-047-31521		9. WELL NO. #2
15. ELEVATIONS (Show whether DF, RT, GR, etc.) 5374' GR		10. FIELD AND POOL, OR WILDCAT Wildcat
		11. SEC., T., R., M., OR BLK. AND SURVEY OR AREA Sec. 18-T8S-R25E
		12. COUNTY OR PARISH Uintah
		13. STATE Utah

## 16. Check Appropriate Box To Indicate Nature of Notice, Report, or Other Data

## NOTICE OF INTENTION TO:

TEST WATER SHUT-OFF ☐FRACTURE TREAT ☐SHOOT OR ACIDIZE ☐REPAIR WELL ☐

(Other)

PULL OR ALTER CASING ☐MULTIPLE COMPLETE ☐ABANDON\* ☐CHANGE PLANS ☐Change Operator ☒

## SUBSEQUENT REPORT OF:

WATER SHUT-OFF ☐FRACTURE TREATMENT ☐SHOOTING OR ACIDIZING ☐

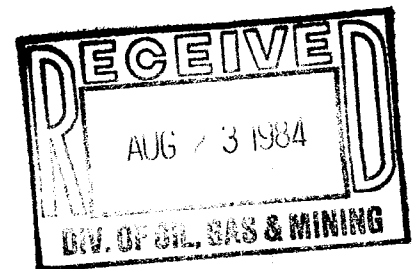
(Other)

REPAIRING WELL ☐ALTERING CASING ☐ABANDONMENT\* ☐

(NOTE: Report results of multiple completion on Well Completion or Recompletion Report and Log form.)

17. DESCRIBE PROPOSED OR COMPLETED OPERATIONS (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work. If well is directionally drilled, give subsurface locations and measured and true vertical depths for all markers and zones pertinent to this work.)\*

TXO Production Corp. replaces Davis Oil Company as Operator of this well. TXO agrees to operate this well in compliance with Utah General Rules and Regulations and the Rules of Practice and Procedures, and in compliance with stipulations attached to the permit approval documents.



18. I hereby certify that the foregoing is true and correct

SIGNED

  
Ronald E. Dashner

TITLE Dist. Drlg. &amp; Production Mgr DATE August 22, 1984

(This space for Federal or State office use)

APPROVED BY

CONDITIONS OF APPROVAL, IF ANY:

TITLE

DATE

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENT

APPLICATION FOR PERMIT TO DRILL, DEEPEN, OR PLUG BACK

1a. TYPE OF WORK

DRILL ☒

DEEPEN ☐

PLUG BACK ☐

b. TYPE OF WELL

OIL  
WELL ☒

GAS  
WELL ☐

OTHER

SINGLE  
ZONE ☒

MULTIPLE  
ZONE ☐

2. NAME OF OPERATOR

TXO Production Corp.

Attention: C.K. Curlee

3. ADDRESS OF OPERATOR

1800 Lincoln Center Building, Denver, Colorado 80264

4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements.)\*

At surface

677' FSL, 705' FWL, Sec. 18-T8S-R25E

At proposed prod. zone

AUG 24 1984

14. DISTANCE IN MILES AND DIRECTION FROM NEAREST TOWN OR POST OFFICE\*

6.5 miles north of Bonanza, Utah

DIVISION OF OIL  
GAS & MINING

15. DISTANCE FROM PROPOSED\*

705' - Lse Line

16. NO. OF ACRES IN LEASE

2360

17. NO. OF ACRES ASSIGNED  
TO THIS WELL

80 acres

18. DISTANCE FROM PROPOSED LOCATION\*

LOCATION TO NEAREST

PROPERTY OR LEASE LINE, FT.

(Also to nearest drlg. unit line, if any)

615' - Drlg Unit

19. PROPOSED DEPTH

4300'

20. ROTARY OR CABLE TOOLS

Rotary

21. ELEVATIONS (Show whether DF, RT, GR, etc.)

5374' GR

22. APPROX. DATE WORK WILL START\*

Upon approval

23.

PROPOSED CASING AND CEMENTING PROGRAM

SIZE OF HOLE	SIZE OF CASING	WEIGHT PER FOOT	SETTING DEPTH	QUANTITY OF CEMENT
26"	21"	Corrugated pipe	30'	3 yards
12 1/4"	9 5/8"	36#, K-55	450'	300 sacks
		STC (New)		
8 3/4"	5 1/2"	15.5#, K-55	4300'	200 sacks
		LTC (New)		

TXO Production Corp., as operator of this well, will conduct all lease operations in full compliance with applicable laws, regulations (43 CFR 3100), Onshore Oil & Gas Order No. 1, and the approved plan of operations. TXO agrees to be bound by the terms and stipulations of the conditions of approval as attached to the approved permit.

IN ABOVE SPACE DESCRIBE PROPOSED PROGRAM: If proposal is to deepen or plug back, give data on present productive zone and proposed new productive zone. If proposal is to drill or deepen directionally, give pertinent data on subsurface locations and measured and true vertical depths. Give blowout preventer program, if any.

24.

SIGNED

Ronald E. Dashner  
Ronald E. Dashner

TITLE Dist. Drilling & Prod. Mgr. DATE August 22, 1984

(This space for Federal or State office use)

PERMIT NO.

APPROVAL DATE

APPROVED BY

[Signature]

TITLE

DISTRICT MANAGER

DATE

8/23/84

CONDITIONS OF APPROVAL, IF ANY:

NOTICE OF APPROVAL

CONDITIONS OF APPROVAL ATTACHED  
TO OPERATOR'S COPY

\*See Instructions On Reverse Side

Title 18 U.S.C. Section 1001, makes it a crime for any person knowingly and willfully to make to any department or agency of the United States any false, fictitious or fraudulent statements or representations as to any matter within its jurisdiction.

Div. O&G M

CONDITIONS OF APPROVAL FOR NOTICE TO DRILL

Company Davis Oil Company Well No. 2  
Location Sec. 18 T 8S R25E Lease No. U-27518  
Onsite Inspection Date 7-10-84

All lease and/or unit operations will be conducted in such a manner that full compliance is made with applicable laws, regulations (43 CFR 3100), Onshore Oil and Gas Order No. 1, and the approved plan of operations. The operator is fully responsible for the actions of his subcontractors. A copy of these conditions will be furnished the field representative to insure compliance.

A. DRILLING PROGRAM

1. Pressure Control Equipment

Operator will include a 3,000 lb. Hydril bag-type BOP as part of his pressure control equipment. This will be pressure tested to a minimum pressure of 1,500 psi.

2. Anticipated Starting Dates and Notifications of Operations

\*\*This well must be spudded before September 1, 1984, or the lease will automatically terminate.

B. THIRTEEN POINT SURFACE USE PLAN

3. Methods of Handling Waste Disposal

The reserve pit will not be lined. Burning will not be allowed. Trash and waste materials will be handled as indicated in the APD.

Produced waste water will be confined to an unlined pit for a period not to exceed 90 days after initial production. During the 90 day period, an application for approval of a permanent disposal method and location, along with required water analysis, will be submitted for the AO's approval. Failure to file an application within the time allowed will be considered an incident of noncompliance, and will be grounds for issuing a shut-in order.

4. Well Site Layout

The stockpiled topsoil will be stored as indicated in the layout diagram. About 6" of topsoil is to be stockpiled.

Reserve pits will be fenced with a wire mesh fence and topped with at least one strand of barbed wire.

Other conditions of approval have been incorporated into the surface use plan.

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
GEOLOGICAL SURVEY

SUNDRY NOTICES AND REPORTS ON WELLS

(Do not use this form for proposals to drill or to deepen or plug back to a different reservoir. Use Form 9-331-C for such proposals.)

1. oil ☐ well gas ☐ well other ☐ dry & abandoned  
2. NAME OF OPERATOR  
TXO PRODUCTION CORP.  
3. ADDRESS OF OPERATOR  
1800 Lincoln Cntr. Bldg., Denver, Co. 80264  
4. LOCATION OF WELL (REPORT LOCATION CLEARLY. See space 17 below.)  
AT SURFACE: 677' FSL & 705' FWL, Sec. 18  
AT TOP PROD. INTERVAL: same as above  
AT TOTAL DEPTH: same as above

16. CHECK APPROPRIATE BOX TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

REQUEST FOR APPROVAL TO:

TEST WATER SHUT-OFF ☐  
FRACTURE TREAT ☐  
SHOOT OR ACIDIZE ☐  
REPAIR WELL ☐  
PULL OR ALTER CASING ☐  
MULTIPLE COMPLETE ☐  
CHANGE ZONES ☐  
ABANDON\* ☒  
(other) ☐

SUBSEQUENT REPORT OF:

☐  
☐  
☐  
☐  
☐  
☐  
☐  
☐  
☒

*See drilling report 11/1/84*

(NOTE: Report results of multiple completion or zone change on Form 9-330.)

17. DESCRIBE PROPOSED OR COMPLETED OPERATIONS (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work. If well is directionally drilled, give subsurface locations and measured and true vertical depths for all markers and zones pertinent to this work.)\*

Operator intends to plug & abandon the above well. Plugs will be set as follows as per verbal orders from Jerry Kenczka:

Plug #1 from 4000-4200' w/ 50 sxs.  
Plug #2 from 1300-1500' w/ 50 sxs.  
Plug #3 from 200-400' w/ 50 sxs.  
Plug #4 from 0-60' w/ 25 sxs.

Subsurface Safety Valve: Manu. and Type \_\_\_\_\_

Set @ \_\_\_\_\_ Ft.

18. I hereby certify that the foregoing is true and correct

SIGNED Mark E. Kravitz

TITLE Petroleum Engineer

DATE

Nov. 6, 1984

(This space for Federal or State office use)

APPROVED BY \_\_\_\_\_  
CONDITIONS OF APPROVAL, IF ANY:

TITLE

APPROVED BY THE STATE  
OF UTAH DIVISION OF  
OIL, GAS, AND MINING

DATE: 11/28/84

BY: [Signature]

\*See Instructions on Reverse Side

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
GEOLOGICAL SURVEY

SUBMIT IN DUPLICATE

(See other in-  
structions on  
reverse side)Form approved.  
Budget Bureau No. 42-R355.

13

## WELL COMPLETION OR RECOMPLETION REPORT AND LOG \*

1a. TYPE OF WELL: OIL WELL <input type="checkbox"/> GAS WELL <input type="checkbox"/> DRY <input checked="" type="checkbox"/> Other _____				5. LEASE DESIGNATION AND SERIAL NO. U-27518	
b. TYPE OF COMPLETION: NEW WELL <input type="checkbox"/> WORK OVER <input type="checkbox"/> DEEP-EN <input type="checkbox"/> PLUG BACK <input type="checkbox"/> DIFF. RESVR. <input type="checkbox"/> Other <u>P &amp; A</u>				6. IF INDIAN, ALLOTTEE OR TRIBE NAME	
2. NAME OF OPERATOR TXO PRODUCTION CORP.				7. UNIT AGREEMENT NAME	
3. ADDRESS OF OPERATOR 1800 Lincoln Cntr. Bldg., Denver, Colorado 80264				8. FARM OR LEASE NAME Little Bonanza Federal	
4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements)* At surface 677' FSL & 705' FWL, Sec. 18 At top prod. interval reported below same as above <u>SW SW</u> At total depth same as above				9. WELL NO. #2	
14. PERMIT NO. 43-047-31521				DATE ISSUED 7-30-84	
15. DATE SPUDDED 8/31/84				16. DATE T.D. REACHED 10/29/84	
17. DATE COMPL. (Ready to prod.) N/A				18. ELEVATIONS (DF, RKB, RT, GR, ETC.)* 5386' KB	
19. ELEV. CASINGHEAD 5374'				20. TOTAL DEPTH, MD & TVD 4300'	
21. PLUG, BACK T.D., MD & TVD N/A				22. IF MULTIPLE COMPL., HOW MANY*	
23. INTERVALS DRILLED BY →				ROTARY TOOLS X	
24. PRODUCING INTERVAL(S), OF THIS COMPLETION—TOP, BOTTOM, NAME (MD AND TVD)* N/A				25. WAS DIRECTIONAL SURVEY MADE No	
26. TYPE ELECTRIC AND OTHER LOGS RUN DIL-CNL-FDC-GR-SP				27. WAS WELL CORED No	
28. CASING RECORD (Report all strings set in well)					
CASING SIZE 8-5/8"		WEIGHT, LB./FT. 24#		DEPTH SET (MD) 298'	
HOLE SIZE 12-1/4"		CEMENTING RECORD 200 sxs Cl "H"		AMOUNT PULLED none	
29. LINER RECORD					
SIZE		TOP (MD)		BOTTOM (MD)	
SACKS CEMENT*		SCREEN (MD)		TUBING RECORD	
SIZE		DEPTH SET (MD)		PACKER SET (MD)	
31. PERFORATION RECORD (Interval, size and number) N/A					
32. ACID, SHOT, FRACTURE, CEMENT SQUEEZE, ETC.					
DEPTH INTERVAL (MD)			AMOUNT AND KIND OF MATERIAL USED		
33.* PRODUCTION					
DATE FIRST PRODUCTION N/A		PRODUCTION METHOD (Flowing, gas lift, pumping—size and type of pump)			WELL STATUS (Producing or shut-in) P & A
DATE OF TEST		HOURS TESTED		CHOKE SIZE	
PROD'N. FOR TEST PERIOD →		OIL—BBL.		GAS—MCF.	
WATER—BBL.		GAS-OIL RATIO		FLOW. TUBING PRESS.	
CASING PRESSURE		CALCULATED 24-HOUR RATE →		OIL—BBL.	
GAS—MCF.		WATER—BBL.		OIL GRAVITY-API (CORR.)	
34. DISPOSITION OF GAS (Sold, used for fuel, vented, etc.)					TEST WITNESSED BY
35. LIST OF ATTACHMENTS					
36. I hereby certify that the foregoing and attached information is complete and correct as determined from all available records					
SIGNED <u>Mark E. Rysoy</u>		TITLE <u>Petroleum Engineer</u>		DATE <u>11/6/84</u>	

\*(See Instructions and Spaces for Additional Data on Reverse Side)



# INSTRUCTIONS

**General:** This form is designed for submitting a complete and correct well completion report and log on all types of lands and leases to either a Federal agency or a State agency, or both, pursuant to applicable Federal and/or State laws and regulations. Any necessary special instructions concerning the use of this form and the number of copies to be submitted, particularly with regard to local, area, or regional procedures and practices, either are shown below or will be issued by, or may be obtained from, the local Federal and/or State office. See instructions on items 22 and 24, and 33, below regarding separate reports for separate completions.

If not filed prior to the time this summary record is submitted, copies of all currently available logs (drillers, geologists, sample and core analysis, all types electric, etc.), formation and pressure tests, and directional surveys, should be attached hereto, to the extent required by applicable Federal and/or State laws and regulations. All attachments should be listed on this form, see item 35.

**Item 4:** If there are no applicable State requirements, locations on Federal or Indian land should be described in accordance with Federal requirements. Consult local State or Federal office for specific instructions.

**Item 18:** Indicate which elevation is used as reference (where not otherwise shown) for depth measurements given in other spaces on this form and in any attachments. **Items 22 and 24:** If this well is completed for separate production from more than one interval zone (multiple completion), so state in item 22, and in item 24 show the producing interval, or intervals, top(s), bottom(s) and name(s) (if any) for only the interval reported in item 33. Submit a separate report (page) on this form, adequately identified, for each additional interval to be separately produced, showing the additional data pertinent to such interval.

**Item 29: "Sacks Cement":** Attached supplemental records for this well should show the details of any multiple stage cementing and the location of the cementing tool.

**Item 33:** Submit a separate completion report on this form for each interval to be separately produced. (See instruction for items 22 and 24 above.)

37. SUMMARY OF POROUS ZONES: SHOW ALL IMPORTANT ZONES OF POROSITY AND CONTENTS THEREOF: CORED INTERVALS; AND ALL DRILL-STEM TESTS, INCLUDING DEPTH INTERVAL TESTED, CUSHION USED, TIME TOOL OPEN, FLOWING AND SHUT-IN PRESSURES, AND RECOVERIES				38. GEOLOGIC MARKERS		
FORMATION	TOP	BOTTOM	DESCRIPTION, CONTENTS, ETC.	NAME	MEAS. DEPTH	TRUE VERT. DEPTH
Green River	3942'	3958'	Sd, wtr.	Green River Wasatch	3471' 4094'	3471' 4094'

WELL NAME: Little Bonanza Fed. #2  
AREA: Wildcat  
LOCATION: Section 18, T8S-R25E  
COUNTY: Uintah  
STATE: Utah  
FOOTAGE: 677' FSL & 705' FWL

PTD: 4300'  
ELEVATIONS: 5386' KB, 5374' GL  
CONTRACTOR: Chandler #1  
AFE NUMBER: 840189  
LSE NUMBER: 74880  
TXO WI: 37.50%

\*\*\*\*\*

DAVIS OIL COMPANY  
410 17th Street, Ste. 1400  
Denver, Colorado 80202  
Attn: Michelle Hiller  
Phone: (303) 623-1000

Daily Call  
Weekly Mail  
Telecopy 623-3984 or 623-2657

NATURAL GAS CORP. OF CA.  
7800 E. Union Ave., Ste. 800  
Denver, Colorado 80202  
Attn: Pam Bates-McCormick  
Phone: (303) 694-6076

Daily Call  
Weekly Mail  
Telecopy 741-3063

NATURAL GAS CORP. OF CA.  
85 S. 200 E.  
Vernal, Utah 84708

Just Mail

COTTON PETROLEUM CORPORATION  
3773 Cherry Creek Drive North  
Ste. 750  
Denver, Colorado 80209  
Attn: Terri Greenhalgh  
Phone: (303) 355-0101

Daily Call  
Weekly Mail

COTTON PETROLEUM CORPORATION  
4200 One Williams Center  
Tulsa, Oklahoma 74172  
Attn: Robin LeBleu

Just Mail

HARPER OIL COMPANY  
P. O. Box 5928 T.A.  
1625 Broadway, Ste. 1200  
Denver, Colorado 80217  
Attn: Carolyn Hepp  
Phone: (303) 825-4771

Daily Call  
Weekly Mail  
Recorder 573-5632

APCOT FINADEL JOINT VENTURE  
P. O. Box 2159, Ste. 1848  
Dallas, Texas 75221  
Attn: Houston Welch

Just Mail

DIAMOND SHAMROCK  
410 17th Street  
Denver, Colorado 80202  
Attn: Katrina Wessbecker  
Phone: (303) 575-0220

Added @ time of P & A

\*\*\*\*\*

09/01/84 110' (110'), drlg ahead. Spudded 12-1/4" hole @ 4 PM 8/31/84. Drld to 110'. Air hammer brk dn. Repair air hammer. DW: 17,000. CW: 17,000. DD 1.

09/02/84 295' (185'), drlg. Air mist. Drld from 110-295'. DW: 0. CW: 17,000. DD 2.

09/03/84 300' (5'), RDMORT. TD 12-1/4" hole @ 9 AM 9/2/84. RU & ran 15 jts 8-5/8", 24#, J-55, ST&C csg (0-295'). RU Halliburton. Circ w/ wtr for 30 min. Cmted w/ 200 sxs Cl "H" w/ additives. Dspl w/ 18 BW. Shoe @ 298', float @ 280'. PD @ 2 PM. BP @ 500#. Float held. Return 5 bbls cmt to surf. Drop from report until further activity. DW: DW: 0. CW: 17,000. DD 3.

WELL NAME:	Little Bonanza Fed. #2	PTD:	4300'
AREA:	Wildcat	ELEVATIONS:	5386' KB, 5374' GL
LOCATION:	Section 18, T8S-R25E	CONTRACTOR:	Chandler #1
COUNTY:	Uintah	AFE NUMBER:	840189
STATE:	Utah	LSE NUMBER:	74880
FOOTAGE:	677' FSL & 705' FWL	TXO WI:	37.50%

\*\*\*\*\*

- 10/21/84 1081' (781'), drlg. Uintah. 8.4, 27, NC, 8. Fin MIRU Chandler Rig #1. Test BOP's to 1000# for 15 min, OK. PU twelve 6-1/4" DC's. Drill cmt & shoe. Drill new hole @ 3 PM 10/20/84. Drill to 1081'. 3-1/4" @ 308', 3-1/4" @ 620', 1-1/4" @ 949'. DW: 19,950. CW: 36,950. DD 4.
- 10/22/84 1572' (491'), mixing mud & LCM. Green River. 8.4, 27, N/C, 8. Drld from 1081-1363'. Lost returns. Lost approx 75 bbls. Mix 12-15%, 80 bbl pill. Regain circ after 35 bbls. Resume drlg. Drld to 1572'. TOOH for bit #2. TIH w/ bit #2. Stuck pipe @ 1462'. Work stuck pipe. Work free. Wash & ream to btm. Attempt to brk circ. Could not. Mix 80 bbl pill. ST: Green River @ 1424'. 1-1/4" @ 1252', 4" @ 1562'. DW: 9600. CW: 46,550. DD 5.
- 10/23/84 1821' (249'), survey. Green River. 8.4, 27, N/C, 8. Regain circ after 35 bbls 12-15% LCM pill. Survey @ 1572'. Drld from 1572-1697'. Lost approx 200 bbls. Pumped 28 bbls 12-15% LCM pill. Regained circ. Drld to 1772'. Lost approx 250 bbls. Mix & pump 35 bbls 15% LCM pill. Drld to 1821'. Lost all returns. Regained circ after pumping 35 bbls 15% LCM pill. Lost approx 750 BW in last 24 hrs. 3-1/2" @ 1362', 2-3/4" @ 1634', 3" @ 1717', 2-1/2" @ 1821'. DW: 7815. CW: 54,365. DD 6.
- 10/24/84 2215' (394'), drlg. Green River. 8.5, 36, 15.2, 9.5. LCM 10%. Drld from 1821-1838'. Lost returns. Mix 15% LCM pill. Mud up system. Regained circ. Drld to 2040'. Lost approx 100 bbls. Mix 15% LCM pill. Regained circ. Drld ahead to 2215' w/ full returns. 1 UBG. 2-1/4" @ 1905', 2-1/2" @ 2000', 2-3/4" @ 2092', 2-1/2" @ 2192'. DW: 10,625. CW: 64,990. DD 7.
- 10/25/84 2752' (537'), drlg. Green River. 8.8, 39, 22.4, 8.5. LCM 12%. Drld from 2215-2315'. Lost 48 bbls mud. Drld ahead to 2495'. Lost 120 bbls. Pump 15% LCM pill. Regained circ. Drld ahead to 2646'. Lost 300 bbls while drlg ahead to 2750'. Regained full returns. Drld to 2752' w/ full returns. Lost 468 bbls in last 24 hrs. Losses are seepage losses. UBG 2. 2-1/4" @ 2276', 2" @ 2399', 2" @ 2522', 2" @ 2646'. DW: 11,150. CW: 76,140. DD 8.
- 10/26/84 2985' (233'), drlg. Green River. 8.7, 44, 10.4, 8.5. LCM 15%. Drld from 2752' to 2840'. Jets plugged up. Start trip out of hole. Stuck pipe @ 2770'. Work stuck pipe while waiting on surf jars. PU jars. Jar pipe free. Fin TOOH. TIH. Hit bridge @ 1885'. Work tight spot. Fin TIH. Wash & ream 200' to btm. Drld ahead to 2985'. Full returns. No tight connections. UBG 1-2. UTG 4. 2-1/4" @ 2770', 1-1/2" @ 2901'. DW: 7185. CW: 83,325. DD 9.
- 10/27/84 3470' (435'), drlg. Green River. 8.8, 41, 8.8, 10. LCM 12%. Drld from 2985-3470'. Full returns. UBG 0. 1-3/4" @ 3046', 1-3/4" @ 3179', 2" @ 3319', 2" @ 3441'. DW: 9745. CW: 93,070. DD 10.
- 10/28/84 3909' (439'), drlg. Green River. 8.9, 38, 9.6, 9. LCM 10%. Drld from 3470-3850'. Small DB 1-3-1 UBG. No smpl show. Drld to 3909'. Full returns. 2-1/2" @ 3564', 3" @ 3687', 2-1/2" @ 3746', 3" @ 3872'. DW: 10,340. CW: 103,410. DD 11.
- 10/29/84 4108' (199'), drlg. Wasatch. 8.9, 43, 7.2, 8. LCM 10%. Drld from 3909-3934'. TOOH for bit #3. Start TIH. Inspect collars. Find 1 collar w/ pin cracked. Wash & ream 80' to btm. Drld to 4108' w/ full returns. 1 UBG. 180 UTG. DB: 3945-3956', 8-2-7 MPF, 1-3-1 UBG. 40% sdst, tr oil. DB: 3983-3989', 1-2-1 UBG, no oil. ST: Wasatch 4094', 6' high to prognosis. 3" @ 3934', 2-1/4" @ 4057'. DW: 5455. CW: 108,865. DD 12.

WELL NAME: Little Bonanza Fed. #2  
AREA: Wildcat  
LOCATION: Section 18, T8S-R25E  
COUNTY: Uintah  
STATE: Utah  
FOOTAGE: 677' FSL & 705' FWL

PTD: 4300'  
ELEVATIONS: 5386' KB, 5374' GL  
CONTRACTOR: Chandler #1  
AFE NUMBER: 840189  
LSE NUMBER: 74880  
TXO WI: 37.50%

\*\*\*\*\*

10/30/84 4300' (192'), WO loggers. Wasatch. 8.9, 43, 8, 8. LCM 6%. Drld from 4108-4300'. TD hole @ 8 PM 10/29/84. Circ & cond. Short trip 8 stnds. No fill. Circ & cond. SLM out of hole. RU Gearhart. Attempt to log. Tools malfunctioned. Released Gearhart. WO Schlumberger. 1 UBG. 2-1/4" @ 4300'. DW: 5965. CW: 114,830. DD 13.

10/31/84 4300' (0'), plugging. Wasatch. 8.9, 50, 8, 8. LCM 6%. WO loggers. RU Schlumberger. Run DIL-CNL-FDC-GR. RD Schlumberger. TIH w/ 18 DC's. Circ & cond. WOO. TOO. LD DC's. TIH w/ 94 jts DP open-ended. Brk circ. RU Western. Set plug #1 from 4000-4200' w/ 50 sxs. TOO. LD DP. Setting plug #2. DW: 15,980. CW: 130,810. DD 14.

11/01/84 4300' (0'), RDRT. Set plug #2 from 1300-1500' w/ 50 sxs, plug #3 @ 200-400' w/ 50 sxs, plug #4 from 0-60' w/ 25 sxs. ND BOP's. Cut off. Install dry hole marker. RR @ 3 PM 10/31/84. Well is P & A. FINAL REPORT!!! DW: 6300. CW: 137,110. DD 15.

North  
↑

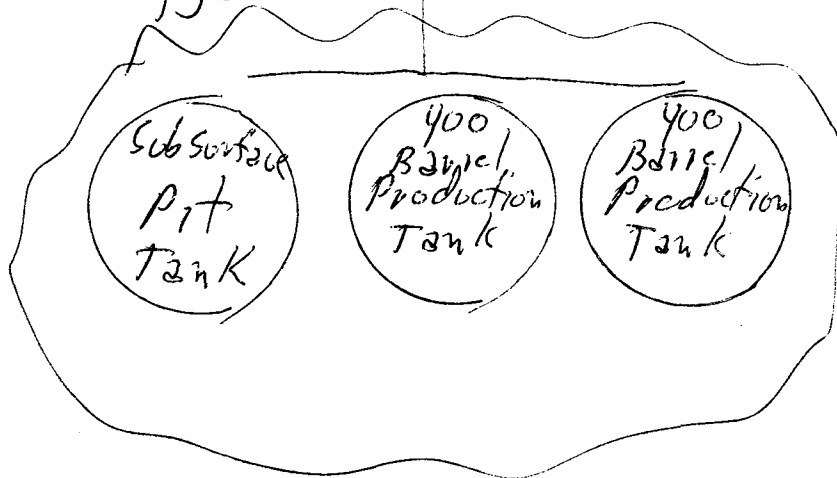
Gas Pump  
Engine Jack

wellhead



Propane

Berm



Access

Top  
Soil

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENT

APPLICATION FOR PERMIT TO DRILL, DEEPEN, OR PLUG BACK

1a. TYPE OF WORK

DRILL ☒ Re-Enter DEEPEN ☐ PLUG BACK ☐

b. TYPE OF WELL

OIL WELL ☐ GAS WELL ☐ OTHER ☐ SINGLE ZONE ☐ MULTIPLE ZONE ☐

2. NAME OF OPERATOR

Cochrane Resources, Inc.

3. ADDRESS OF OPERATOR

P.O. Box 1656 Roosevelt, Utah 84066

4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements.)\*  
At surface

705' FWL, 677' FSL, Sec 18, T8S, R25E

At proposed prod. zone

14. DISTANCE IN MILES AND DIRECTION FROM NEAREST TOWN OR POST OFFICE\*

7 miles north of Bonanza

15. DISTANCE FROM PROPOSED\*

LOCATION TO NEAREST  
PROPERTY OR LEASE LINE, FT.  
(Also to nearest drilg. unit line, if any)

677'

16. NO. OF ACRES IN LEASE

19. PROPOSED DEPTH

4300'

17. NO. OF ACRES ASSIGNED  
TO THIS WELL

40

20. ROTARY OR CABLE TOOLS

Rotary

21. ELEVATIONS (Show whether DF, RT, GR, etc.)

5374 G.R.

22. APPROX. DATE WORK WILL START\*

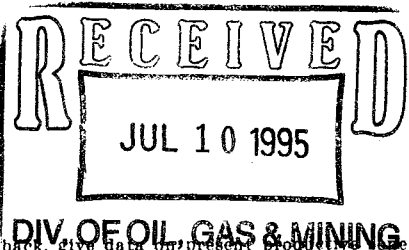
8/25/95

23. PROPOSED CASING AND CEMENTING PROGRAM

SIZE OF HOLE	SIZE OF CASING	WEIGHT PER FOOT	SETTING DEPTH	QUANTITY OF CEMENT
12 1/4"	8 5/8"	24#	295'	to surface (still in place)
7 7/8"	5 1/2"	15.5#	4300'	to surface

This well has 295' of 8 5/8", 24# csg set to 295' and cemented to surface. It is proposed to drill out surface plug and plug in bottom of surface csg, and re-enter well to 4300', drilling out cement plugs from 1300' to 1500' and 4000' to 4200'. 5 1/2" 15.5# csg will be run to 4300' and cemented to surface.

Note: Well name formerly  
Little Bonanza Fed 2.



IN ABOVE SPACE DESCRIBE PROPOSED PROGRAM: If proposal is to deepen or plug back, give data on present productive zone and proposed new productive zone. If proposal is to drill or deepen directionally, give pertinent data on subsurface locations and measured and true vertical depths. Give blowout preventer program, if any.

24.

SIGNED

*Matthew*

TITLE President

DATE 7/6/95

(This space for Federal or State office use)

PERMIT NO.

43-047-31521

APPROVAL DATE

APPROVED BY

*JR Matthews*

TITLE

*Petroleum Engineer*

DATE

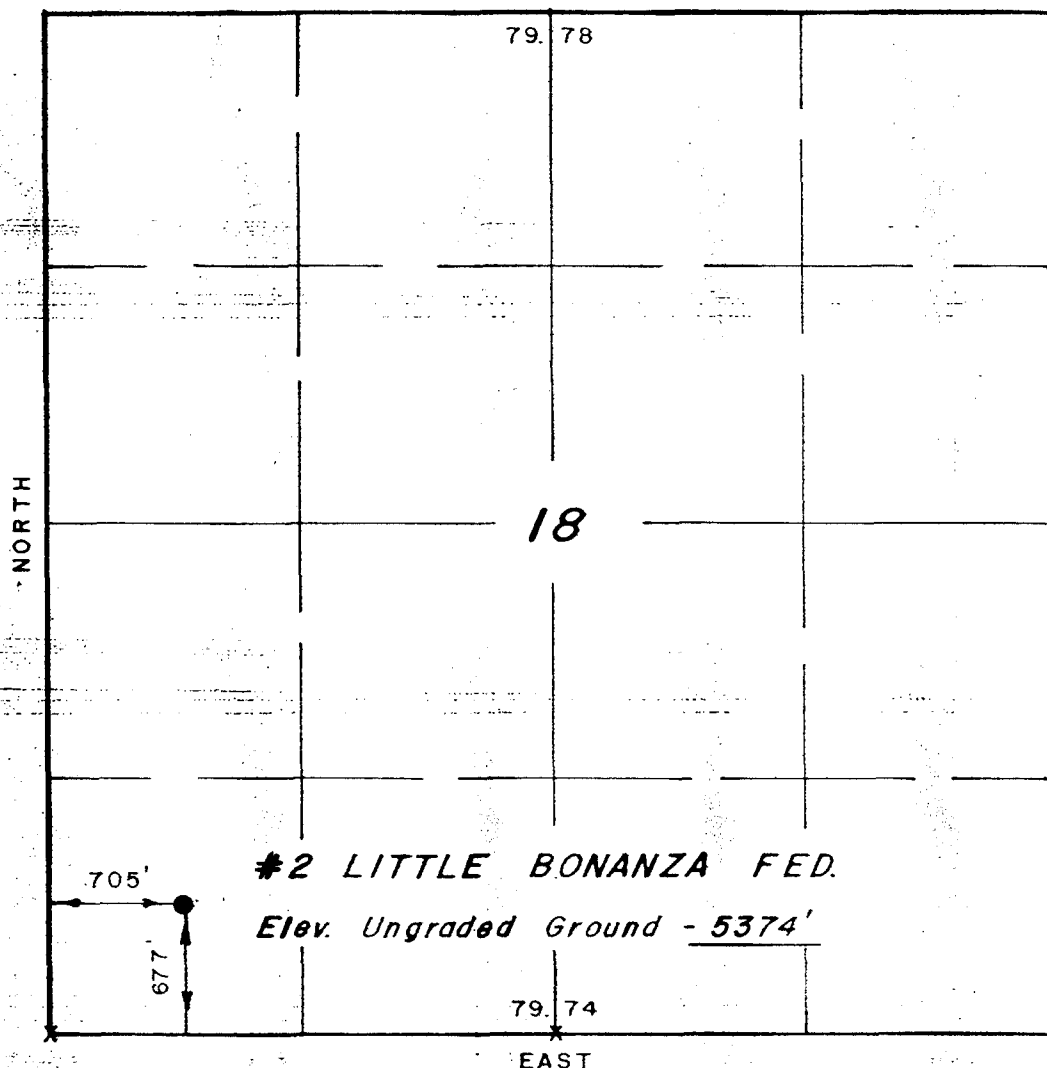
9/7/95

CONDITIONS OF APPROVAL, IF ANY:

\*See Instructions On Reverse Side

**T 8 S, R 25 E, S.L.B.&M.**

N 89° 59' E



X = Section Corners Located

**DAVIS OIL COMPANY**

Well location, #2 **LITTLE BONANZA FED.**, located as shown in the SW 1/4 SW 1/4 Section 18, T 8 S, R 25 E, S.L. B. & M. Uintah County, Utah.

**RECEIVED**

**JUL 23 1984**

**DIVISION OF OIL  
GAS & MINING**



**CERTIFICATE**

THIS IS TO CERTIFY THAT THE ABOVE PLAT WAS PREPARED FROM FIELD NOTES OF ACTUAL SURVEYS MADE BY ME OR UNDER MY SUPERVISION AND THAT THE SAME ARE TRUE AND CORRECT TO THE BEST OF MY KNOWLEDGE AND BELIEF

*[Signature]*

REGISTERED LAND SURVEYOR  
REGISTRATION NO 2454  
STATE OF UTAH

**UINTAH ENGINEERING & LAND SURVEYING**  
P. O. BOX Q - 85 SOUTH - 200 EAST  
VERNAL, UTAH - 84078

SCALE 1" = 1000'	DATE 6/28/84
PARTY D.A. J.H. SB.	REFERENCES GLO Plat
WEATHER Warm	FILE DAVIS OIL

07/11/95                      D E T A I L   W E L L   D A T A                      menu: opt 00  
 api num:    4304731521           prod zone:                      sec    twnshp    range    qr-qr  
 entity:     99998 : PA/LA    18    8.0   S    25.0 E    SWSW  
 well name: LITTLE BONANZA FED 2  
 operator:   N1580 : TXO PRODUCTION CORP                              meridian: S  
 field:       2           : UNDESIGNATED  
 confidential flag:           confidential expires:                      alt addr flag:  
                          \* \* \* application to drill, deepen, or plug back \* \* \*  
 lease number:   U-27518                      lease type: 1                      well type:           OW  
 surface loc:    0677 FSL 0705 FWL           unit name:  
 prod zone loc: 0677 FSL 0705 FWL           depth:           4300           proposed zone: WSTC  
 elevation:      5386' KB                      apd date:       840730           auth code:    C-3(B)  
 \* \* completion information \* \*                      date recd:    841029           la/pa date:  
 spud date:      840831                      compl date:   841029           total depth: 4300'  
 producing intervals:  
 bottom hole:    0677 FSL 0705 FWL           first prod:                      well status:    PA  
 24hr oil:       24hr gas:                      24hr water:                      gas/oil ratio:  
                          \* \* well comments:                      directionl:                      api gravity:  
                          840822 OPER FR DAVIS OIL CO:841106 PA'D:

opt: 21   api: 4304731521   zone:                      date(yy-mm):                      enty                      acct:



8 POINT COMPLIANCE PROGRAM

WELL NAME: Cochrane Federal 14-18

LOCATION: S.W. of S.W. Sec. 18, T8S, R25E. S.L.B. & M.

LEASE NO.: U64575

INSPECTION Date: 6/6/95

A. DRILLING PROGRAM

1. Surface Formation and Estimated Formation Tops:

Drill out will start in the Uintah Formation. Green River at 2951'.

2. Estimated Depth at Which Oil, Gas, Water or Other Mineral Bearing Zones are Expected to be Encountered:

	<u>FORMATION</u>	<u>ZONE</u>
Expected oil zones:	<u>Green River</u>	<u>3000' - 4300'</u>
Expected gas zones:	<u>Green River</u>	<u>3000' - 4300'</u>
Expected water zones:	<u>Upper Green River</u>	<u>0' - 3000'</u>
Expected mineral zones:	<u>None</u>	

All fresh water and prospectively valuable minerals (as described by BLM at onsite) encountered during drilling, will be recorded by depth and adequately protected. All oil and gas shows will be tested to determine commercial potential.

3. Pressure Control Equipment:

The rig will be equipped with 10", 3000 PSI, double ram B.O.P.'s with a 10", 3000 psi annular type B.O.P. Pipe rams and blind rams will be tested to 3000 PSI, and the annular B.O.P. will be tested to 1500 PSI before drilling out from surface casing. Pipe rams will be operationally checked each day, and blind rams every trip out of the hole. Accessories to B.O.P.'s include Kelly Cock, Floor Safety valve, and choke manifold of equivalent pressure rating. B.O.P. systems will be consistent with API RP53. Pressure tests will be conducted before drilling out from under casing strings which have been set and cemented in place. Blowout preventer controls will be installed prior to drilling the surface casing plug and will remain in use until the well is completed or abandoned. Preventers will be inspected and operated at least daily to insure good mechanical working order, and this inspection will be recorded on a daily drilling report.

Preventer will be pressure tested before drilling casing cement plugs and recorded on the daily drilling report.

The District Office should be notified with sufficient lead time, in order to have a BLM representative on location during pressure testing.

4. Casing Program and Auxiliary Equipment:

295' of 8 5/8", 24#/ft. casing has been set and cemented to surface. If the well is productive 5 1/2", 15#/ft. casing will be set from surface to T.D. Cement program will be determined at that time.

Anticipated cement tops will be reported as to depth; not the expected number of sacks of cement to be used. The District Office should be notified, with sufficient lead time, in order to have a BLM representative on location while running all casing strings and cementing.

5. Mud Program and Circulating Medium:

0' - 4300' Drill with fresh water and 2% Kcl water.

No chromate additives will be used in the mud system on Federal and Indian Lands without prior approval to ensure adequate protection of fresh water aquifers.

6. Coring, Logging and Testing Program:

No open hole logs or mud logs will be run.

Whether the well is completed as a dry hole or as a producer, "Well Completion and Recompletion Report and Log" (Form 3160-4) will be submitted not later than 30 days after completion of the well or after completion of operations being performed, in accordance with 43 CFR 3164. Two copies of all logs, core descriptions, core analyses, well-test data, geologic summaries, sample description, and all other surveys or data obtained and compiled during the drilling, workover, and/or completion, will be filed with form 3160-4. Samples (cuttings, fluids, and/or gases) will be submitted when requested by authorized officer. (AO).

7. Abnormal Conditions, Bottom Hole Pressure and Potential Hazards:

No abnormal conditions or potential hazards are anticipated as none were encountered during the drilling.

Expected bottom hole pressure is 1600 PSI.

8. Anticipated Starting Dates and Notifications of Operations:

Location Construction: August 15, 1995

Spud Date: August 25, 1995

No location will be constructed or moved, no well will be plugged, and no drilling or workover equipment will be removed from a well to be placed in a suspended status without prior approval of the AO. If operations are to be suspended, prior approval of the AO will be obtained and notification given before resumption of operations.

The spud date will be reported to the AO within 48 hours after spudding. If the spudding occurs on a weekend or holiday, the report will be submitted on the following regular work day. The oral report will be followed up with a Sundry Notice.

In accordance with Onshore Oil and Gas Order No.1, this will be reported on Form 3160-6 "Monthly Report of Operations", starting with the month in which operations commence and continue each month until the well is physically plugged and abandoned. This report will be filed with the Vernal BLM District Office, 170 South 500 East, Vernal, Utah 84078.

Immediate Report: Spills, blowouts, fires, leaks, accidents, or any other unusual occurrences shall be promptly reported in accordance with requirements of NTL-3A or its revision.

If a replacement rig is contemplated for completion operations, a "Sundry Notice" (Form 3160-5) to that effect will be filed, for prior approval of the AO, and all conditions of this approved plan are applicable during all operations conducted with the replacement rig.

Should the well be successfully completed for production the AO will be notified when the well is placed in a producing status. Such notification will be sent by telegram or other written communication, not later than 5 days following the date on which the well is placed on production.

Pursuant to NTL-2B, with the approval of the District Engineer, produced water may be temporarily disposed of into lined pits for a period of up to 90 days. During the period so authorized, an application for approval of the disposal method, along with the required water analysis and other information, must be submitted to the District Engineer.

Pursuant to NTL-4A, leasees or operators are authorized to vent/flare gas during initial well evaluation tests, not exceeding a period of 30 days or the production of 50 MCF of gas, whichever occurs first. An application must be filed with

the District Engineer and approval received, for any venting/flaring of gas beyond the initial 30 days or authorized period.

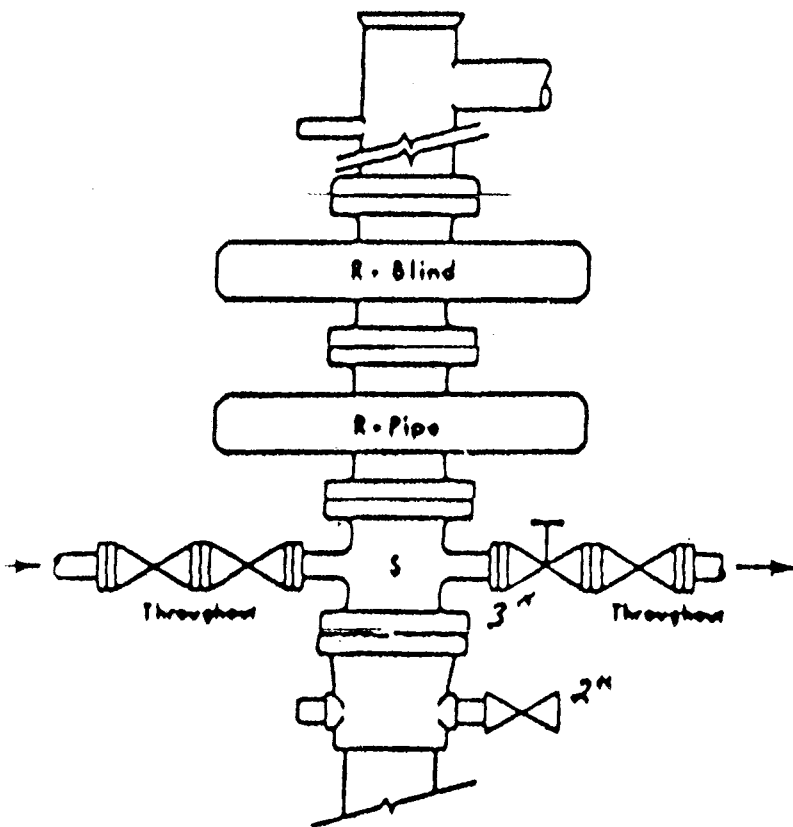
A schematic facilities diagram as required by 43 CFR 3162.7-2, 3162.7-3, and 3162.7-4 shall be submitted to the appropriate District Office within 30 days of installation or first production, whichever occurs first. All site security regulations as specified in 43 CFR 3162.7 shall be adhered to. All product lines entering and leaving hydrocarbon storage tanks will be effectively sealed in accordance with 43 CFR 3162.7-4.

A first production conference will be scheduled within 15 days after receipt of first production notice.

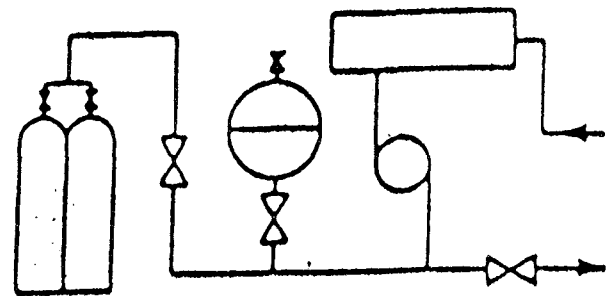
No well abandonment operations will be commenced without the prior approval of the AO. In the case of newly drilled dry holes or failures, and in emergency situations, oral approval will be obtained from the AO. A "Subsequent Report of Abandonment" form 3160-5, will be filed with the AO within 30 days following completion of the well for abandonment. This report will indicate where plugs were placed and current status of surface restoration. Final abandonment will not be approved until the surface reclamation work required by the approved APD or approved abandonment notice has been completed to the satisfaction of the AO or his representative, or the appropriate Surface Managing Agency.

Pursuant to Onshore Oil and Gas order No.1, leasees and operators have the responsibility to see that their exploration, development, production, and construction operations are conducted in a manner which conforms with applicable Federal laws and regulations and with State and local laws and regulations to the extent that such State and local laws are applicable to the operations on Federal or Indian lands.

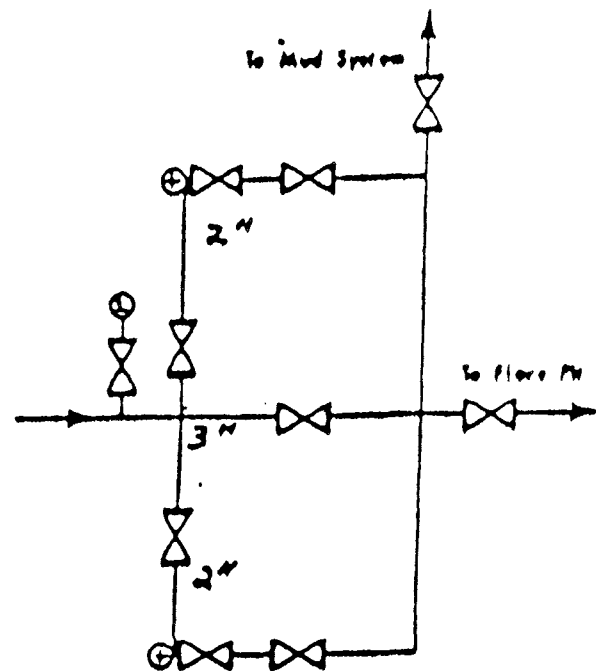
PRESSURE RATING  
3,000 psi



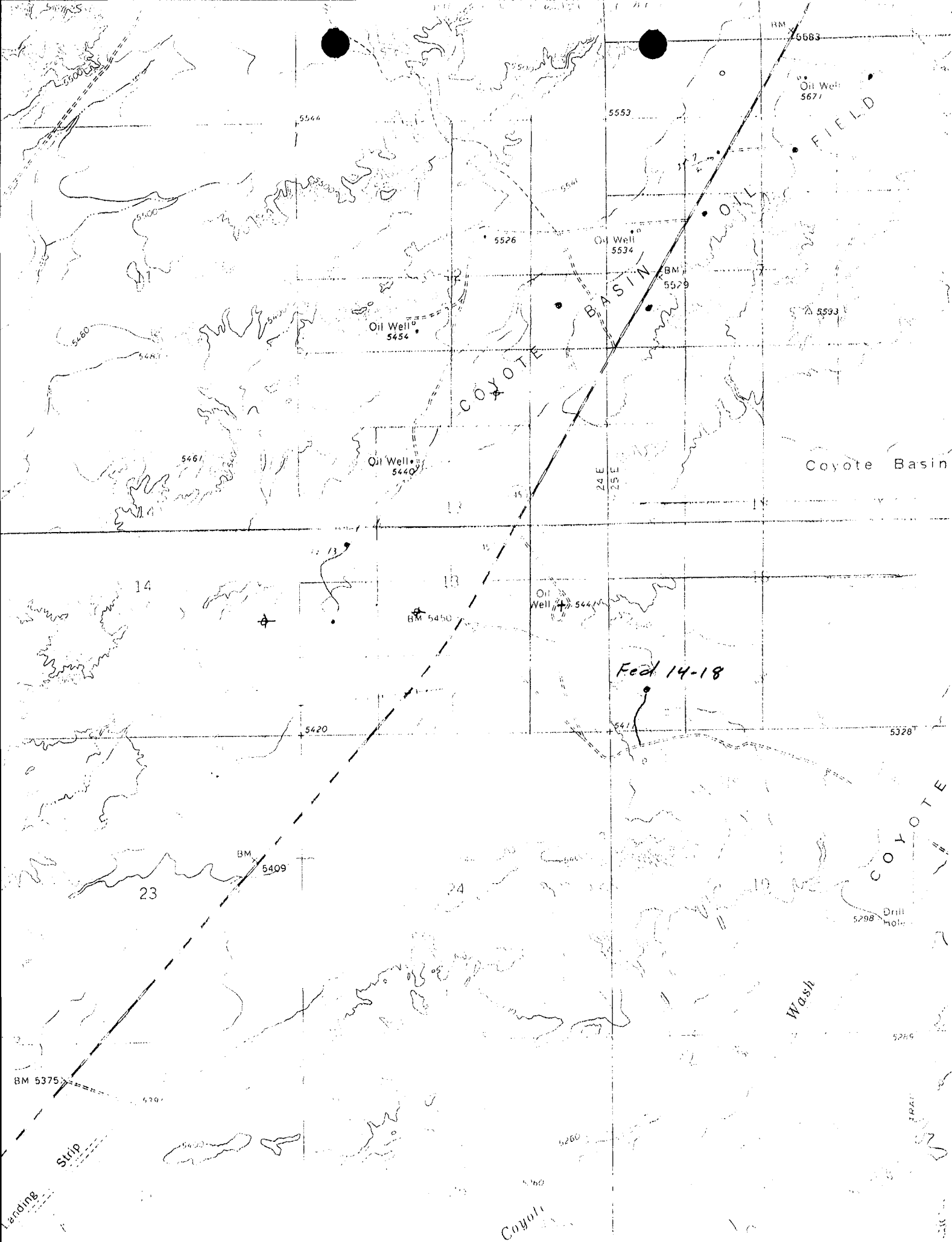
BLOWOUT PREVENTION STACK



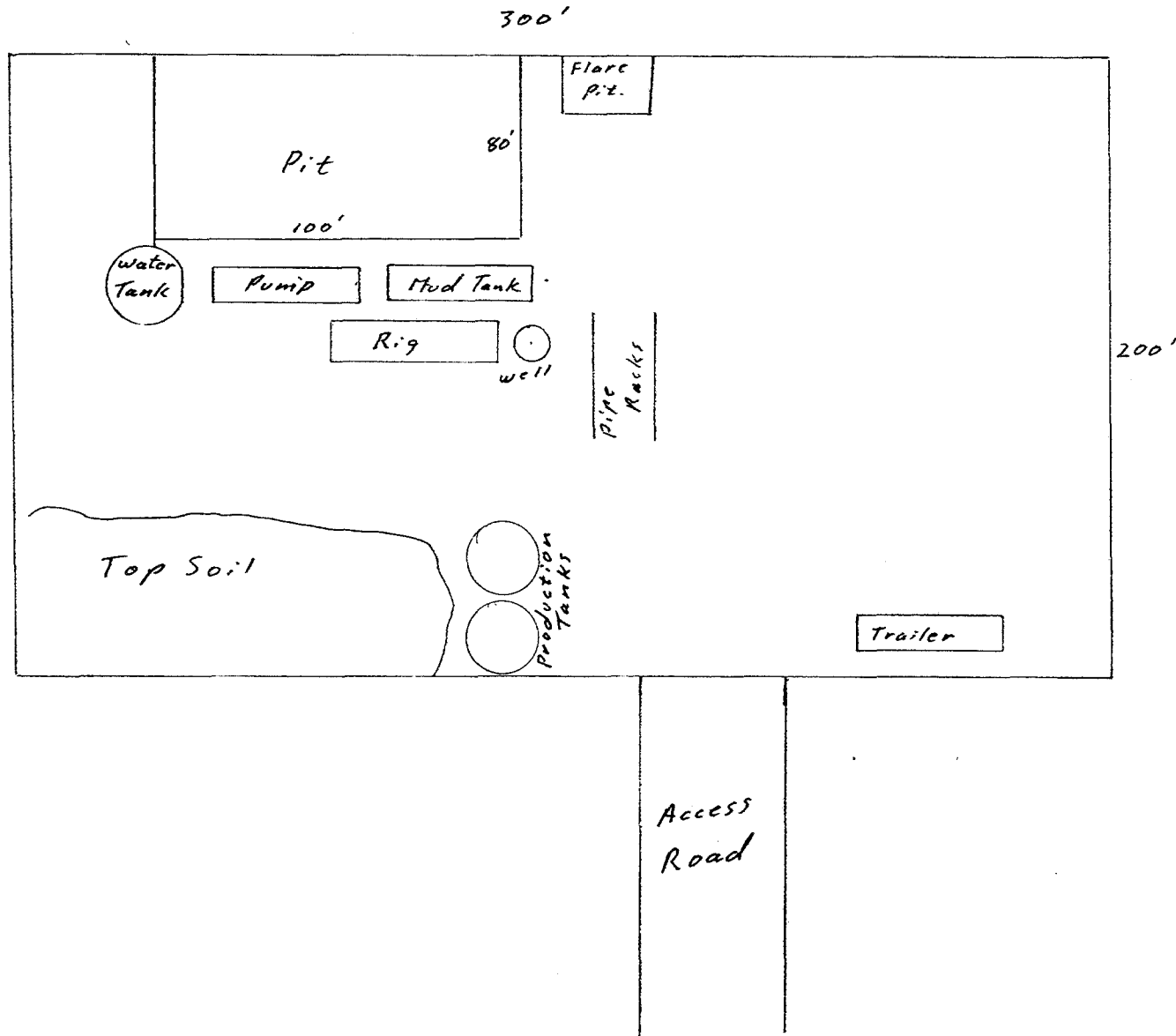
ACCUMULATOR SYSTEM



Floaged Connections Throughout  
MANIFOLD SYSTEM



Coyote Basin Fed 14-18  
S.W. S.W. Section 18  
T8S R25E  
Uintah County Utah.



STATE OF UTAH  
DIVISION OF OIL, GAS AND MINING  
OIL AND GAS INSPECTION RECORD

OPERATOR: TXO PRODUCTION CORP.

LEASE: U-27518

WELL NAME: LITTLE BONANZA FED 2

API: 43-047-31521

SEC/TWP/RNG: 18 08.0 S 25.0 E

CONTRACTOR:

COUNTY: Uintah

FIELD NAME: UNDESIGNATED

DRILLING/COMPLETION/WORKOVER:

- APD	- WELL SIGN	- HOUSEKEEPING	- BOPE
- SAFETY	- POLLUTION CNTL	- SURFACE USE	- PITS
- OPERATIONS	- OTHER		

SHUT-IN \_ / TA \_:

- WELL SIGN	- HOUSEKEEPING	- EQUIPMENT *	- SAFETY
- OTHER			

ABANDONED:

Y MARKER	Y HOUSEKEEPING	Y REHAB	- OTHER
----------	----------------	---------	---------

PRODUCTION:

- WELL SIGN	- HOUSEKEEPING	- EQUIPMENT *	- FACILITIES *
- METERING *	- POLLUTION CNTL	- PITS	- DISPOSAL
- SECURITY	- SAFETY	- OTHER	

GAS DISPOSITION:

- VENTED/FLARED	- SOLD	- LEASE USE
-----------------	--------	-------------

LEGEND: Y = YES/SATISFACTORY N = NO/UNSATISFACTORY A = NOT APPLICABLE

\*FACILITIES INSPECTED:

LOCATION, P&A MARKER

REMARKS:

LOCATION AND ACCESS ROAD CONTOURED AND REHAB'D - OK.

ACTION:

INSPECTOR: CAROL KUBLY

DATE: 05/04/87



STATE OF UTAH  
DIVISION OF OIL, GAS AND MINING  
INSPECTION RECORD

101016

P-A  
'84

Operator Davis oil co.

Lease Little Bonanza Fed.

Contractor \_\_\_\_\_

Well No. 2

Location S4S4 Sec. 18 T. 8s R. 25e

Field Coyote Basin

County Uintah State Utah

Operation: Drilling \_\_\_\_\_  
Workover \_\_\_\_\_  
Completion \_\_\_\_\_  
Abandonment \_\_\_\_\_  
Producing \_\_\_\_\_  
Other spudded

Individual Well Inspection

General:

Well Sign X BOP \_\_\_\_\_ Pollution control ✓ Marker \_\_\_\_\_  
Housekeeping ✓ Safety \_\_\_\_\_ Surface use ✓ Location ✓

Remarks: Loc. built & surface set

Lease and Facilities Inspection

Facilities inspected:

Identification	_____	Pollution control	_____
Housekeeping	_____	Pits and ponds	_____
Measurement facilities	_____	Water disposal	_____
Storage and handling facilities	_____	Other	_____

Remarks: \_\_\_\_\_

Action: \_\_\_\_\_

Name Glenn Goodwin

Title Inspector

Date 9/26/84

April 5, 1984

Use: ✓ for yes or satisfactory  
x for no or unsatisfactory  
NA for not applicable

WORKSHEET  
APPLICATION FOR PERMIT TO DRILL

APD RECEIVED: 07/10/95

API NO. ASSIGNED: 43-047-31521

WELL NAME: COYOTE BASIN 14-18  
OPERATOR: COCHRANE RESOURCES INC (N7015)

PROPOSED LOCATION:

SWSW 18 - T08S - R25E  
SURFACE: 0677-FSL-0705-FWL  
BOTTOM: 0677-FSL-0705-FWL  
UINTAH COUNTY  
UNDESIGNATED FIELD (002)

LEASE TYPE: FED  
LEASE NUMBER: U - 64575

PROPOSED PRODUCING FORMATION: GRRV

INSPECT LOCATION BY: / /

TECH REVIEW	Initials	Date
Engineering		
Geology		
Surface		

RECEIVED AND/OR REVIEWED:

☒ Plat  
☒ Bond: Federal ☒ State ☐ Fee ☐  
(Number \_\_\_\_\_)  
☒ Potash (Y/N)  
☒ Oil shale (Y/N)  
☒ Water permit  
(Number \_\_\_\_\_)  
☒ RDCC Review (Y/N)  
(Date: \_\_\_\_\_)

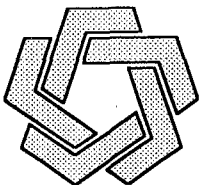
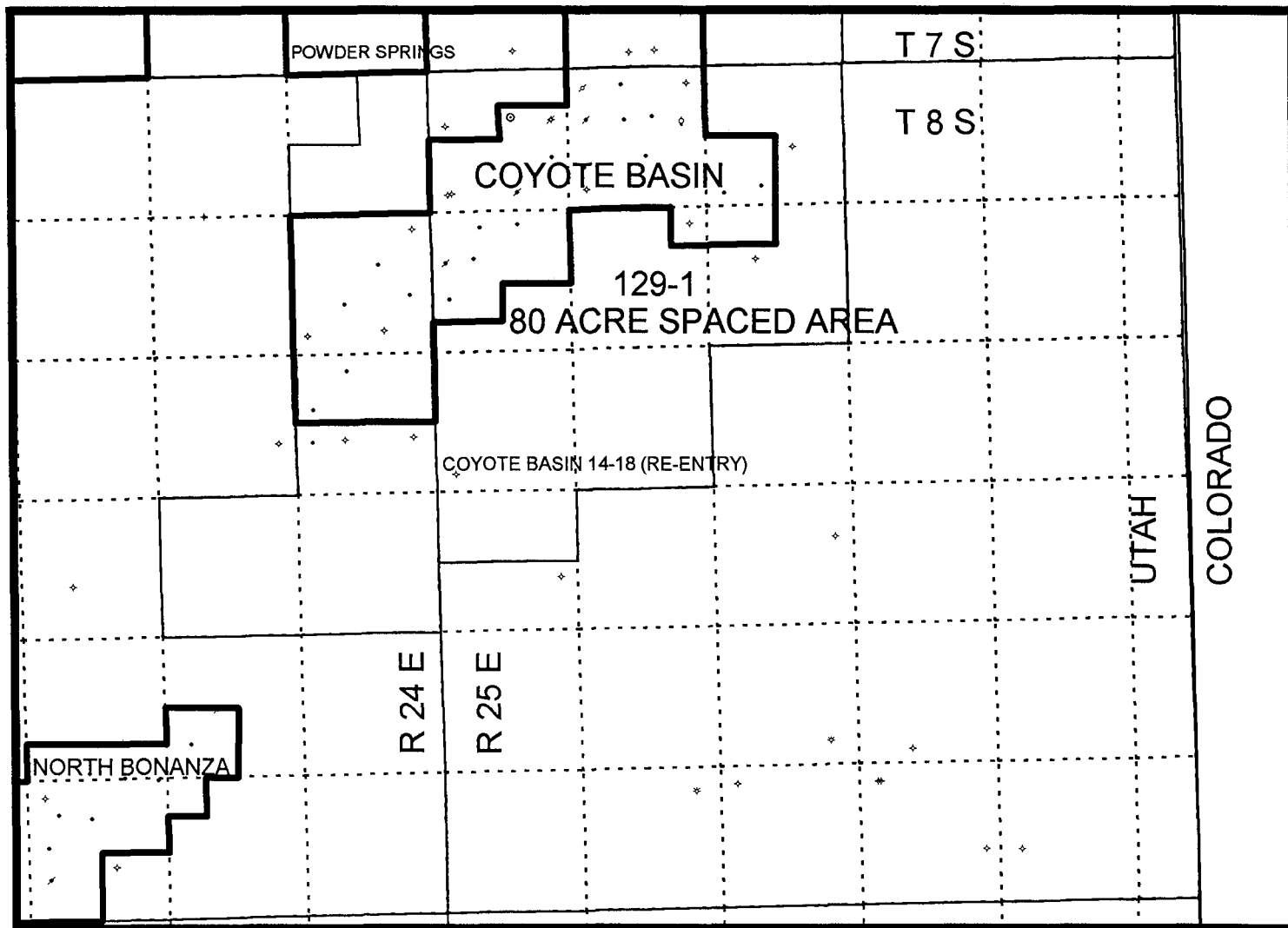
LOCATION AND SITING:

\_\_\_ R649-2-3. Unit: \_\_\_\_\_  
☒ R649-3-2. General.  
\_\_\_ R649-3-3. Exception.  
\_\_\_ Drilling Unit.  
\_\_\_ Board Cause no: \_\_\_\_\_  
\_\_\_ Date: \_\_\_\_\_

COMMENTS: \_\_\_\_\_

STIPULATIONS: 1. A WATER USE PERMIT WILL BE OBTAINED AND  
NOTICED BY SUNDAY PRIOR TO SPUD.

COCHRANE RESOURCES  
COYOTE BASIN 14-18 (RE-ENTRY)  
UINTAH COUNTY, SPACED 80 ACRES



# STATE OF UTAH

Operator: COCHRANE RESOURCES	Well Name: COYOTE BASIN 14-18
Project ID: 43-047-31521	Location: SEC. 18 - T08S - R25E

## Design Parameters:

Mud weight ( 8.60 ppg) : 0.447 psi/ft  
 Shut in surface pressure : 1723 psi  
 Internal gradient (burst) : 0.046 psi/ft  
 Annular gradient (burst) : 0.000 psi/ft  
 Tensile load is determined using buoyed weight  
 Service rating is "Sweet"

## Design Factors:

Collapse : 1.125  
 Burst : 1.00  
 8 Round : 1.80 (J)  
 Buttress : 1.60 (J)  
 Other : 1.50 (J)  
 Body Yield : 1.50 (B)

Length (feet)		Size (in.)	Weight (lb/ft)	Grade	Joint	Depth (feet)	Drift (in.)	Cost	
1	4,300	5.500	15.50	J-55	ST&C	4,300	4.825		
	Collapse Load (psi)	Strgth (psi)	S.F.	Burst Load (psi)	Min Int Strgth (psi)	Yield S.F.	Tension Load (kips)	Strgth (kips)	S.F.
1	1921	4040	2.103	1921	4810	2.50	57.89	202	3.49 J

Prepared by : MATTHEWS, Salt Lake City, UT  
 Date : 09-07-1995  
 Remarks :

Minimum segment length for the 4,300 foot well is 1,000 feet.  
 SICP is based on the ideal gas law, a gas gravity of 0.75, and a mean gas  
 temperature of 96°F (Surface 74°F , BHT 117°F & temp. gradient 1.000°/100 ft.)  
 The mud gradient and bottom hole pressures (for burst) are 0.447 psi/ft and  
 1,921 psi, respectively.

**NOTE:** The design factors used in this casing string design are as shown above. As a general guide-  
 line, Lone Star Steel recommends using minimum design factors of 1.125 - Collapse (with  
 evacuated casing), 1.0 - Burst, 1.8 - 8 Round Tension, 1.6 - Buttress Tension, and 1.5 - Body  
 Yield. Collapse strength under axial tension was calculated based on the Westcott, Dunlop and  
 Kemler curve. Engineering responsibility for use of this design will be that of the purchaser.  
 Costs for this design are based on a 1987 pricing model. (Version 1.06)



State of Utah  
DEPARTMENT OF NATURAL RESOURCES  
DIVISION OF OIL, GAS AND MINING

Michael O. Leavitt  
Governor

Ted Stewart  
Executive Director

James W. Carter  
Division Director

355 West North Temple  
3 Triad Center, Suite 350  
Salt Lake City, Utah 84180-1203  
801-538-5340  
801-359-3940 (Fax)  
801-538-5319 (TDD)

September 7, 1995

Cochrane Resources, Inc.  
P. O. Box 1656  
Roosevelt, Utah 84066

Re: Amended Approval for Coyote Basin #14-18 Well, 705' FWL, 677' FSL, SW SW,  
Sec. 18, T. 8 S., R. 25 E., Uintah County, Utah

Gentlemen:

Pursuant to the provisions and requirements of Utah Code Ann. 40-6-1 et seq., Utah Administrative Code R649-3-1 et seq., and the attached Conditions of Approval, approval to reenter and drill the referenced well is granted.

This approval shall expire one year from the above date unless substantial and continuous operation is underway, or a request for extension is made prior to the expiration date. The API identification number assigned to this well is 43-047-31521.

Sincerely,

R. J. Firth  
Associate Director

ldc

Enclosures

cc: Uintah County Assessor

Bureau of Land Management, Vernal District Office

WAPD



State of Utah  
DEPARTMENT OF NATURAL RESOURCES  
DIVISION OF OIL, GAS AND MINING

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Salt Lake City, Utah 84180-1203  
801-538-5340  
801-359-3940 (Fax)  
801-538-5319 (TDD)

September 7, 1995

Cochrane Resources, Inc.  
P. O. Box 1656  
Roosevelt, Utah 84066

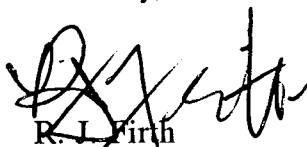
Re: Coyote Basin #14-18 Well, 705' FWL, 677' FSL, SW SW, Sec. 18, T. 8 S., R. 25  
E., Uintah County, Utah

Gentlemen:

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Sincerely,

  
R. J. Firth  
Associate Director

ldc

Enclosures

cc: Uintah County Assessor

Bureau of Land Management, Vernal District Office

WAPD

Operator: Cochrane Resources, Inc.

Well Name & Number: Coyote Basin #14-18 Well

API Number: 43-047-31521

Lease: Federal U-64575

Location: SW SW Sec. 18 T. 8 S. R. 25 E.

### Conditions of Approval

#### 1. General

Compliance with the requirements of Utah Admin. R. 649-1 et seq., the Oil and Gas Conservation General Rules, and the applicable terms and provisions of the approved Application for Permit to Drill.

#### 2. Notification Requirements

Notify the Division within 24 hours following spudding the well or commencing drilling operations. Contact Jimmie Thompson at (801)538-5340.

Notify the Division prior to commencing operations to plug and abandon the well. Contact Frank Matthews or Mike Hebertson at (801)538-5340.

#### 3. Reporting Requirements

All required reports, forms and submittals shall be promptly filed with the Division, including but not limited to the Entity Action Form (Form 6), Report of Water Encountered During Drilling (Form 7), Weekly Progress Reports for drilling and completion operations, and Sundry Notices and Reports on Wells requesting approval of change of plans or other operational actions.

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENT

RECEIVED  
JUL 07 1995  
SEP 11 1995

Form approved.  
Budget Bureau No. 1004-0136  
Expires August 31, 1985

APPLICATION FOR PERMIT TO DRILL, DEEPEN, OR PLUG BACK

1a. TYPE OF WORK

DRILL ☒ Re-Enter DEEPEN ☐

DIV. OF OIL, GAS & MINING

PLUG BACK ☐

b. TYPE OF WELL

OIL WELL ☐

GAS WELL ☐

OTHER

SINGLE ZONE ☐

MULTIPLE ZONE ☐

2. NAME OF OPERATOR

Cochrane Resources, Inc.

3. ADDRESS OF OPERATOR

P.O. Box 1656 Roosevelt, Utah 84066

4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements.)\*

At surface

705' FWL, 677' FSL, Sec 18, T8S, R25E

At proposed prod. zone

43-047-31521

14. DISTANCE IN MILES AND DIRECTION FROM NEAREST TOWN OR POST OFFICE\*

7 miles north of Bonanza

15. DISTANCE FROM PROPOSED\*

LOCATION TO NEAREST PROPERTY OR LEASE LINE, FT. (Also to nearest grig. unit line, if any)

677'

18. DISTANCE FROM PROPOSED LOCATION\*

TO NEAREST WELL, DRILLING, COMPLETED, OR APPLIED FOR, ON THIS LEASE, FT.

none

16. NO. OF ACRES IN LEASE

19. PROPOSED DEPTH

4300'

17. NO. OF ACRES ASSIGNED TO THIS WELL

40

20. ROTARY OR CABLE TOOLS

Rotary

21. ELEVATIONS (Show whether DF, RT, GR, etc.)

5374 G.R.

22. APPROX. DATE WORK WILL START\*

8/25/95

23.

PROPOSED CASING AND CEMENTING PROGRAM

SIZE OF HOLE	SIZE OF CASING	WEIGHT PER FOOT	SETTING DEPTH	QUANTITY OF CEMENT
12 1/4"	8 5/8"	24#	295'	to surface (still in place)
7 7/8"	5 1/2"	15.5#	4300'	to surface

This well has 295' of 8 5/8", 24# csg set to 295' and cemented to surface. It is proposed to drill out surface plug and plug in bottom of surface csg, and re-enter well to 4300', drilling out cement plugs from 1300' to 1500' and 4000' to 4200'. 5 1/2" 15.5# csg will be run to 4300' and cemented to surface.

RECEIVED

JUL 07 1995

IN ABOVE SPACE DESCRIBE PROPOSED PROGRAM: If proposal is to deepen or plug back, give data on present productive zone and proposed new productive zone. If proposal is to drill or deepen directionally, give pertinent data on subsurface locations and measured and true vertical depths. Give blowout preventer program, if any.

24.

SIGNED [Signature] TITLE President DATE 7/6/95

(This space for Federal or State office use)

NOTICE OF APPROVAL

PERMIT NO.

APPROVAL DATE

APPROVED BY

TITLE

For ASSISTANT DISTRICT  
MANAGER MINING

DATE

SEP 07 1995

CONDITIONS OF APPROVAL, IF ANY:

CONDITIONS OF APPROVAL ATTACHED

44080-5M-199

\*See Instructions On Reverse Side

Title 18 U.S.C. Section 1001, makes it a crime for any person knowingly and willfully to make to any department or agency of the United States any false, fictitious or fraudulent statements or representations as to any matter within its jurisdiction.



CONDITIONS OF APPROVAL  
APPLICATION FOR PERMIT TO DRILL

Company/Operator: Cochrane Resources, Inc.

Well Name & Number: Coyote Basin 14-18

API Number: 43-047-31521

Lease Number: U-64575

Location: SWSW Sec. 18 T. 8S R. 25E

**NOTIFICATION REQUIREMENTS**

- |                                 |   |   |
|---------------------------------|---|---|
| Location Construction           | - | at least forty-eight (48) hours prior to construction of location and access roads.   |
| Location Completion             | - | prior to moving on the drilling rig.  |
| Spud Notice                     | - | at least twenty-four (24) hours prior to spudding the well.   |
| Casing String and Cementing     | - | at least twenty-four (24) hours prior to running casing and cementing all casing strings.   |
| BOP and Related Equipment Tests | - | at least twenty-four (24) hours prior to initiating pressure tests.   |
| First Production Notice         | - | within five (5) business days after new well begins, or production resumes after well has been off production for more than ninety (90) days. |

For more specific details on notification requirements, please check the Conditions of Approval for Notice to Drill and Surface Use Program.

## CONDITIONS OF APPROVAL FOR NOTICE TO DRILL

Approval of this application does not warrant or certify that the applicant holds legal or equitable title to those rights in the subject lease which would entitle the applicant to conduct operations thereon.

All lease and/or unit operations will be conducted in such a manner that full compliance is made with applicable laws, regulations (43 CFR 3100), Onshore Oil and Gas Orders, and the approved plan of operations. The operator is fully responsible for the actions of his subcontractors. A copy of these conditions will be furnished the field representative to insure compliance.

Be aware fire restrictions may be in effect when location is being constructed and/or when well is being drilled. Contact the appropriate Surface Management Agency for information.

### A. DRILLING PROGRAM

#### 1. Estimated Depth at Which Oil, Gas, Water, or Other Mineral Bearing Zones are Expected to be Encountered

Report ALL water shows and water-bearing sands to Tim Ingwell of this office. Copies of State of Utah form OGC-8-X are acceptable. If noticeable water flows are detected, submit samples to this office along with any water analyses conducted.

All usable water and prospectively valuable minerals (as described by BLM at onsite) encountered during drilling, will be recorded by depth and adequately protected. All oil and gas shows will be tested to determine commercial potential.

#### 2. Pressure Control Equipment

The BOP and related equipment shall meet the minimum requirements of Onshore Oil and Gas Order No. 2 for equipment and testing requirements, procedures, etc., for a 3M system and individual components shall be operable as designed. Chart recorders shall be used for all pressure tests.

Test charts, with individual test results identified, shall be maintained on location while drilling and shall be made available to a BLM representative upon request.

The Vernal District Office shall be notified, at least 24 hours prior to initiating the pressure tests, in order to have a BLM representative on location during pressure testing.

3. Casing Program and Auxiliary Equipment

Surface casing shall have centralizers on the bottom three joints, with a minimum of one centralizer per joint.

As a minimum, the usable water and oil shale resources shall be isolated and/or protected by having a cement top for the production casing at least 200 ft. above the top of the Oil Shale zone identified at  $\pm$  2259 ft. If gilsonite is encountered while drilling, it shall be isolated and/or protected via the cementing program.

The Vernal District Office shall be notified at least 24 hours prior to the running and cementing of all casing strings, in order to have a BLM representative on location while running and cementing all casing strings.

4. Mud Program and Circulating Medium

Hazardous substances specifically listed by the EPA as a hazardous waste or demonstrating a characteristic of a hazardous waste will not be used in drilling, testing, or completion operations.

No chromate additives will be used in the mud system on Federal and Indian lands without prior BLM approval to ensure adequate protection of fresh water aquifers.

5. Coring, Logging and Testing Program

Daily drilling and completion progress reports shall be submitted to this office on a weekly basis.

All Drill Stem tests (DST) shall be accomplished during daylight hours, unless specific approval to start during other hours is obtained from the AO. However, DSTs may be allowed to continue at night if the test was initiated during daylight hours and the rate of flow is stabilized and if adequate lighting is available (i.e., lighting which is adequate for visibility and vaporproof for safe operations). Packers can be released, but tripping should not begin before daylight unless prior approval is obtained from the AO.

A cement bond log (CBL) will be run from the production casing shoe to  $\pm$  2059 ft. and shall be utilized to determine the bond quality for the production casing. Submit a field copy of the CBL to this office.

Whether the well is completed as a dry hole or as a producer, "Well Completion and Recompletion Report and Log" (Form 3160-4) will be submitted not later than 30 days after completion of the well or after completion of operations being performed, in accordance with 43 CFR 3164. Two copies of all logs, core descriptions, core analyses, well-test data, geologic summaries, sample description, and all other surveys or data obtained and compiled during the drilling, workover, and/or completion operations, will be filed with Form 3160-4. Samples (cuttings, fluids, and/or gases) will be submitted when requested by the AO.

6. Notifications of Operations

No location will be constructed or moved, no well will be plugged, and no drilling or workover equipment will be removed from a well to be placed in a suspended status without prior approval of the AO. If operations are to be suspended, prior approval of the AO will be obtained and notification given before resumption of operations.

The Vernal District Office shall be notified, during regular work hours (7:45 a.m.-4:30 p.m., Monday through Friday except holidays), at least 24 hours prior to spudding the well.

Operator shall report production data to MMS pursuant to 30 CFR 216.5 using form MMS/3160.

Immediate Report: Spills, blowouts, fires, leaks, accidents, or any other unusual occurrences shall be promptly reported in accordance with the requirements of NTL-3A or its revision.

If a replacement rig is contemplated for completion operations, a "Sundry Notice" (Form 3160-5) to that effect will be filed, for prior approval of the AO, and all conditions of this approved plan are applicable during all operations conducted with the replacement rig.

The date on which production is commenced or resumed will be construed for oil wells as the date on which liquid hydrocarbons are first sold or shipped from a temporary storage facility, such as a test tank, and for which a run ticket is required to be generated or, the date on which liquid hydrocarbons are first produced into a permanent storage facility, whichever first occurs; and, for gas wells as the date on which associated liquid hydrocarbons are first sold or shipped from a temporary storage facility, such as a test tank, and for which a run ticket is required to be generated or, the date on which gas is first measured through permanent metering facilities, whichever first occurs.

Should the well be successfully completed for production, the AO will be notified when the well is placed in a producing status. Such notification will be sent by telegram or other written communication, not later than five (5) days following the date on which the well is placed on production.

Gas produced from this well may not be vented or flared beyond an initial authorized test period of 30 days or 50 MMCF following its completion, whichever occurs first, without the prior written approval of the Authorized Officer. Should gas be vented or flared without approval beyond the authorized test period, the operator may be directed to shut-in the well until the gas can be captured or approval to continue venting or flaring as uneconomic is granted and the operator shall be required to compensate the lessor for that portion of the gas vented or flared without approval which is determined to have been avoidably lost.

A schematic facilities diagram as required by 43 CFR 3162.7-5 (b.9. d.), and shall be submitted to the appropriate District Office within sixty (60) days of installation or first production, whichever occurs first. All site security regulations as specified in Onshore Oil & Gas Order No. 3 shall be adhered to. All product lines entering and leaving hydrocarbon storage tanks will be effectively sealed in accordance with 43 CFR 3162.7-5 (b. 4).

No well abandonment operations will be commenced without the prior approval of the AO. In the case of newly drilled dry holes or failures, and in emergency situations, oral approval will be obtained from the AO. A "Subsequent Report of Abandonment" Form 3160-5, will be filed with the AO within thirty (30) days following completion of the well for abandonment. This report will indicate where plugs were placed and the current status of surface restoration. Final abandonment will not be approved until the surface reclamation work required by the approved APD or approved abandonment notice has been completed to the satisfaction of the AO or his representative, or the appropriate Surface Managing Agency.

7. Other Information

All loading lines will be placed inside the berm surrounding the tank battery.

All off-lease storage, off-lease measurement, or commingling on-lease or off-lease will have prior written approval from the AO.

The oil and gas measurement facilities will be installed on the well location. The oil and gas meters will be calibrated in place prior to any deliveries. Tests for meter accuracy will be conducted following initial installation and at least quarterly thereafter. The AO will be provided with a date and time for the initial meter calibration and all future meter proving schedules. A copy of the meter calibration reports will be submitted to the Vernal District Office. All meter measurement facilities will conform with Onshore Oil & Gas Order No. 4 for liquid hydrocarbons and Onshore Oil & Gas Order No. 5 for natural gas measurement.

The use of materials under BLM jurisdiction will conform to 43 CFR 3610.2-3.

There will be no deviation from the proposed drilling and/or workover program without prior approval from the AO. Safe drilling and operating practices must be observed. All wells, whether drilling, producing, suspended, or abandoned will be identified in accordance with 43 CFR 3162.

"Sundry Notice and Report on Wells" (Form 3160-5) will be filed for approval for all changes of plans and other operations in accordance with 43 CFR 3162.3-2.

Section 102(b)(3) of the Federal Oil and Gas Royalty Management Act of 1982, as implemented by the applicable provisions of the operating regulations at Title 43 CFR 3162.4-1(c), requires that "not later than the 5th business day after any well begins production on which royalty is due anywhere on a lease site or allocated to a lease site, or resumes production in the case of a well which has been off production for more than 90 days, the operator shall notify the authorized officer by letter or sundry notice, Form 3160-5, or orally to be followed by a letter or sundry notice, of the date on which such production has begun or resumed."

If you fail to comply with this requirement in the manner and time allowed, you shall be liable for a civil penalty of up to \$10,000 per violation for each day such violation continues, not to exceed a maximum of 20 days. See Section 109(c)(3) of the Federal Oil and Gas Royalty Management Act of 1982 and the implementing regulations at Title 43 CFR 3162.4-1(b)(5)(ii).

APD approval is valid for a period of one (1) year from the signature date. An extension period may be granted, if requested, prior to the expiration of the original approval period.

In the event after-hours approval or notification is necessary, please contact one of the following individuals:

Wayne P. Bankert      (801) 789-4170  
Petroleum Engineer

Ed Forsman              (801) 789-7077  
Petroleum Engineer

BLM FAX Machine      (801) 781-4410

## EPA'S LIST OF NONEXEMPT EXPLORATION AND PRODUCTION WASTES

While the following wastes are nonexempt, they are not necessarily hazardous.

- Unused fracturing fluids or acids
- Gas plant cooling tower cleaning wastes
- Painting wastes
- Oil and gas service company wastes, such as empty drums, drum rinsate, vacuum truck rinsate, sandblast media, painting wastes, spent solvents, spilled chemicals, and waste acids
- Vacuum truck and drum rinsate from trucks and drums, transporting or containing nonexempt waste
- Refinery wastes
- Liquid and solid wastes generated by crude oil and tank bottom reclaimers
- Used equipment lubrication oils
- Waste compressor oil, filters, and blowdown
- Used hydraulic fluids
- Waste solvents
- Waste in transportation pipeline-related pits
- Caustic or acid cleaners
- Boiler cleaning wastes
- Boiler refractory bricks
- Incinerator ash
- Laboratory wastes
- Sanitary wastes
- Pesticide wastes
- Radioactive tracer wastes
- Drums, insulation and miscellaneous solids.

CONDITIONS OF APPROVAL  
FOR THE SURFACE USE PROGRAM OF THE  
APPLICATION FOR PERMIT TO DRILL

Company/Operator: Cochrane Resources Inc.

API Number \_\_\_\_\_

Well Name & Number: Coyote Basin 14-18

Lease Number: U-63575

Location: SW SW Sec. 18 T.8 S. R.25 E.

Surface Ownership: BLM

Date NOS Received May 31, 1995

Date APD Received July 7, 1995

- After first production, produced waste water will be confined to a lined pit or storage tank for a period not to exceed ninety (90) days. During the 90 day period, in accordance with Onshore Order No. 7 an application for approval of a permanent disposal method and location, along with required water analysis, shall be submitted for the AO's approval. Failure to file an application within the time allowed will be considered an incident of noncompliance.

- All pits will be fenced according to the following minimum standards:

a. 39-inch net wire shall be used with at least one strand of barbed wire on top of the net wire (barbed wire is not necessary if pipe or some type of reinforcement rod is attached to the top of the entire fence).

b. The net wire shall be no more than 2-inches above the ground. The barbed wire shall be 3-inches above the net wire. Total height of the fence shall be at least 42-inches.

c. Corner posts shall be cemented and/or braced in such a manner to keep the fence tight at all times.

d. Standard steel, wood, or pipe posts shall be used between the corner braces. Maximum distance between any two posts shall be no greater than 16 feet.

e. All wire shall be stretched, by using a stretching device, before it is attached to the corner posts.

- The operator will control noxious weeds along rights-of-way for roads, pipelines, well sites, or other applicable facilities. A list of noxious weeds may be obtained from the BLM administered land it is required that a Pesticide Use Proposal shall be submitted, and given approval, prior to the application of



herbicides or other given approval, prior to the application of herbicides or other pesticides or possible hazardous chemicals.

- Drilling rigs and/or equipment used during drilling operations on this wellsite will not be stacked or stored on Federal Lands after the conclusion of drilling operations or at any other time without BLM authorization. However, if BLM authorization is obtained, it is only a temporary measure to allow time to make arrangements for permanent storage on commercial facilities.

DIVISION OF OIL, GAS AND MINING

SPUDDING INFORMATION

Name of Company: COCHRANE RESOURCES

Well Name: FEDERAL 14-18 *Re-Entry*

Api No. 43-047-31521

Section 18 Township 8S Range 25E County UINTAH

Drilling Contractor

Rig #

SPUDDED: Date 11/29/95

Time 2:00 PM

How ROTARY

Drilling will commence

Reported by LETTER

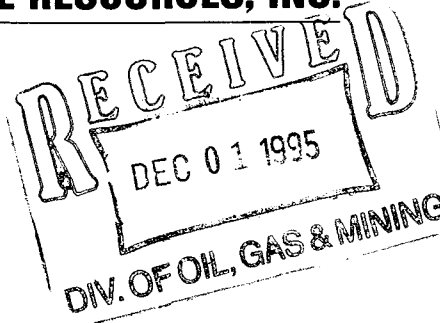
Telephone #

Date: 12/4/95 SIGNED: JLT

Engineering  
Wellsite Supervision  
Lease Operating

**COCHRANE RESOURCES, INC.**

P.O. Box 1656  
Roosevelt, Utah 84066  
Phone (801) 722-5081



November 28, 1995

State of Utah  
Division of Oil, Gas, & Mining  
355 West North Temple  
3 Triad Center, Suite 350  
Salt Lake City, Utah 84180-1203

43-047-31521

Dear Sir:

The Cochrane Federal 14-18, SW SW, Sec 18, T8S, R25 E, Lease  
#U-64575, was spudded November 29, 1995 at 2:00 PM.

Sincerely,

A handwritten signature in cursive script, appearing to read "Debbie Allen".

Debbie Allen

ENTITY ACTION FORM - FORM 6

OPERATOR Cochrane Resources

OPERATOR ACCT. NO. N-7015

ADDRESS P.O. Box 1656

Roosevelt Utah 84066.

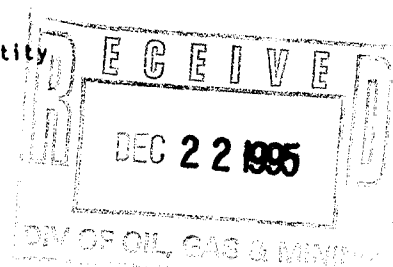
ACTION CODE	CURRENT ENTITY NO.	NEW ENTITY NO.	API NUMBER	WELL NAME	WELL LOCATION					SPUD DATE	EFFECTIVE DATE
					QQ	SC	TP	RG	COUNTY		
A	99999	11869	43-047-31521	Coyote Basin Fed 14-18	SW-SW	18	8S	25E	Uintah	11-29-95	
WELL 1 COMMENTS: Entity added 1-2-96. Lee											
WELL 2 COMMENTS:											
WELL 3 COMMENTS:											
WELL 4 COMMENTS:											
WELL 5 COMMENTS:											

ACTION CODES (See instructions on back of form)

- A - Establish new entity for new well (single well only)
- B - Add new well to existing entity (group or unit well)
- C - Re-assign well from one existing entity to another existing entity
- D - Re-assign well from one existing entity to a new entity
- E - Other (explain in comments section)

NOTE: Use COMMENT section to explain why each Action Code was selected.

(3/89)



Signature mmallen

Title President Date 12-20-95

Phone No. (801) 722-5081

UNITED STATES

SUBMIT IN DUPLICATE

Form approved.  
Budget Bureau No. 1004-0137  
Expires August 31, 1985

JAN - 7 1996

DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENT

(See Instructions on  
Reverse Side)

WELL COMPLETION OR RECOMPLETION REPORT AND LOG \*

1. TYPE OF WELL: ☒ OIL WELL ☐ GAS WELL ☐ DRY ☐ Other \_\_\_\_\_  
2. TYPE OF COMPLETION:  
NEW WELL ☐ WORK OVER ☐ DEEP-EN ☐ PLUG BACK ☐ DIFF. RISER ☐ Other ReEntry

3. NAME OF OPERATOR  
Cochrane Resources, Inc.

4. ADDRESS OF OPERATOR  
PO Box 1656 Roosevelt, Utah 84066

5. LOCATION OF WELL (Report location clearly and in accordance with any State requirements):  
At surface 705' FWL 677' FSL  
At top prod. interval reported below  
At total depth

14. PERMIT NO. 43-047-31521  
DATE ISSUED 9/7/95

6. TRACT DESIGNATION AND SERIAL NO.

U-64575

7. IF INDIAN, ALLOTTEE OR TRIBE NAME

8. UNIT AGREEMENT NAME

Federal

9. FARM OR LEASE NAME

Coyote Basin

10. WELL NO.

Federal 14-18

11. FIELD AND POOL, OR WILDCAT

12. SEC., T., R., W., OR BLOCK AND SURVEY OR AREA

Sec 18, T8S, R25 E

13. COUNTY OR PARISH Uintah  
14. STATE Utah

15. DATE SPUNDED 11/29/95  
16. DATE T.D. REACHED 12/6/95  
17. DATE COMPL. (Ready to prod.) 1/3/96  
18. ELEVATIONS (OF, RKB, RT. CR, ETC.)\* 5374 GR.  
19. ELEV. CASINGHEAD 5374'

20. TOTAL DEPTH, MD & TVD 4080'  
21. PLUG. BACK T.D., MD & TVD 4009'  
22. IF MULTIPLE COMPL., HOW MANY\*  
23. INTERVALS DRILLED BY  
ROTARY TOOLS 0 - 4080  
CABLE TOOLS

24. PRODUCING INTERVAL(S), OF THIS COMPLETION--TOP, BOTTOM, NAME (MD AND TVD)\*  
3944' - 3956' Green River  
25. WAS DIRECTIONAL SURVEY MADE No

26. TYPE ELECTRIC AND OTHER LOGS RUN  
Cement Bond Log. Open hole Logs were run in 1984  
27. WAS WELL CORED No

CASING RECORD (Report all strings set in well)		CEMENTING RECORD		AMOUNT PULLED	
CASING SIZE	WEIGHT, LB./FT.	DEPTH SET (MD)	HOLE SIZE		
8 5/8"	24#	295'	12 1/4	To Surface	
5 1/2"	15.5#	4060'	7 7/8	top of Cement 1080'	

LINER RECORD					TUBING RECORD		
SIZE	TOP (MD)	BOTTOM (MD)	SACKS CEMENT*	SCREEN (MD)	SIZE	DEPTH SET (MD)	PACKER SET (MD)
					2 7/8"	3975'	None

31. PERFORATION RECORD (Interval, size and number)		32. ACID, SHOT, FRACTURE, CEMENT SQUEEZE, ETC.	
3944' - 3956', 4" csg gun, 4 SPF		DEPTH INTERVAL (MD)	AMOUNT AND KIND OF MATERIAL USED
		3944'-3956'	Fraced with 35,000# 16-30 sand and 320# bbls 2% Kcl gelled water.

33. PRODUCTION							
DATE FIRST PRODUCTION		PRODUCTION METHOD (Flowing, gas lift, pumping--size and type of pump)				WELL STATUS (Producing or shut-in)	
1/4/96		Pumping				Producing	
DATE OF TEST	HOURS TESTED	CHOKE SIZE	PROD'N. FOR TEST PERIOD	OIL--BBL.	GAS--MCF.	WATER--BBL.	GAS-OIL RATIO
1/11/96	48			42	22	10	476
1/12/96							
FLOW--TUBING PRESS.	CASING PRESSURE	CALCULATED 24-HOUR RATE	OIL--BBL.	GAS--MCF.	WATER--BBL.	OIL GRAVITY--API (CORR.)	
0	200		21	11	5	35	

34. DISPOSITION OF GAS (Sold, used for fuel, vented, etc.)  
Used for fuel.  
TEST WITNESSED BY  
Scott Baese

35. LIST OF ATTACHMENTS  
Cement Bond Log

36. I hereby certify that the foregoing and attached information is complete and correct as determined from all available records  
SIGNED mmalu TITLE President DATE January 12, 1996

\*(See Instructions and Spaces for Additional Data on Reverse Side)

Title 18 U.S.C. Section 1001, makes it a crime for any person knowingly and willfully to make to any department or agency of the United States any false, fictitious or fraudulent statements or representations as to any matter within its jurisdiction.

37. SUMMARY OF POROUS ZONES: (Show all important zones of porosity and contents thereof; cored intervals; and all drill-stem, tests, including depth interval tested, cushion used, time tool open, flowing and shut-in pressures, and recoveries):

FORMATION	TOP	BOTTOM	DESCRIPTION, CONTENTS, ETC.	GEOLOGIC MARKERS		
				NAME	MEAS. DEPTH	TRUE VERT. DEPTH
Green River Wasatch	1400' 4055'			Douglas Creek Wasatch Tongue	3300' 3840'	3300' 3840'

38.

**EQUIPMENT INVENTORY  
UTAH DIVISION OF OIL, GAS AND MINING  
STATE OF UTAH**

Operator: COCHRANE RESOURCES Lease: State:      Federal: X Indian:      Fee:     

Well Name: COYOTE BASIN FED. 14-18 API Number: 43-047-31521

Section: 18 Township: 8S Range: 25E County: UINTAH Field: COYOTE BASIN

Well Status: PQW Well Type: Oil: X Gas:     

**PRODUCTION LEASE EQUIPMENT: (NUMBER)**

Boiler(s):      Compressor(s):      Separator(s):      Dehydrator(s):     

Shed(s):      Line Heater(s):      Heated Separator(s):      VRU:     

Heater Treater(s):     

**PUMPS:**

Triplex:      Chemical:      Centrifugal: 1

**LIFT METHOD:**

Pumpjack: X Hydraulic:      Submersible:      Flowing:     

**GAS EQUIPMENT: (NUMBER)**

Purchase Meter: 0 Sales Meter: 0

**TANKS:**

**NUMBER**

**SIZE**

Oil Storage Tank(s): 2 400 BBLS

Water Tank(s):           BBLS

Power Water Tank:           BBLS

Condensate Tank(s):           BBLS

Propane Tank: 1

**Central Battery Location: (IF APPLICABLE)**

Qtr/Qtr:      Section:      Township:      Range:     

REMARKS: PIT TANK FOR TANK BOTTOMS IS SUBSURFACE.

CASINGHEAD GAS USED FOR FUEL WITH PROPANE FOR BACKUP. PRODUCTION TANKS HAVE BURNERS.

Inspector: DAVID W. HACKFORD Date: 2/8/96

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENT

SUBMIT IN TRIPPLICATE\*  
(Other instructions on re-  
verse side)

Budget Bureau No. 1001-0135  
Expires August 31, 1985  
5. LEASE DESIGNATION AND SERIAL NO.  
U-64575  
6. IF INDIAN, ALLOTTEE OR TRIBE NAME

SUNDRY NOTICES AND REPORTS ON WELLS

(Do not use this form for proposals to drill or to deepen or plug back to a different reservoir.  
Use "APPLICATION FOR PERMIT—" for such proposals.)

1. <input checked="" type="checkbox"/> OIL WELL <input checked="" type="checkbox"/> GAS WELL <input type="checkbox"/> OTHER		7. UNIT AGREEMENT NAME Federal
2. NAME OF OPERATOR Cochrane Resources, Inc.		8. FARM OR LEASE NAME Coyote Basin
3. ADDRESS OF OPERATOR PO Box 1656 Roosevelt, Utah 84066		9. WELL NO. Federal 14-18
4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements.* See also space 17 below.) At surface 705' FWS 677' FSL		10. FIELD AND POOL, OR VICINITY Sec 18, T8S, R25E
14. PERMIT NO. 43-047-31521	15. ELEVATIONS (Show whether DF, RT, GR, etc.) 5374 GR	12. COUNTY OR PARISH   STATE Uintah   Utah

16. Check Appropriate Box To Indicate Nature of Notice, Report, or Other Data

NOTICE OF INTENTION TO:

TEST WATER SHUT-OFF <input type="checkbox"/>	PULL OR ALTER CASING <input type="checkbox"/>
FRACTURE TREAT <input type="checkbox"/>	MULTIPLE COMPLETE <input type="checkbox"/>
SHOOT OR ACIDIZE <input type="checkbox"/>	ABANDON* <input type="checkbox"/>
REPAIR WELL <input type="checkbox"/>	CHANGE PLANS <input type="checkbox"/>
(Other) <input type="checkbox"/>	

SUBSEQUENT REPORT OF:

WATER SHUT-OFF <input type="checkbox"/>	REPAIRING WELL <input type="checkbox"/>
FRACTURE TREATMENT <input type="checkbox"/>	ALTERING CASING <input type="checkbox"/>
SHOOTING OR ACIDIZING <input type="checkbox"/>	ABANDONMENT* <input type="checkbox"/>
(Other) <input type="checkbox"/>	

(Note: Report results of multiple completion on Well Completion or Recompletion Report and Log form.)

17. DESCRIBE PROPOSED OR COMPLETED OPERATIONS (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work. If well is directionally drilled, give subsurface locations and measured and true vertical depths for all markers and zones pertinent to this work.)\*

Cochrane Resources would like to run a 1" plastic line from the Coyote Basin Federal 13-7 to the Federal 14-18 to supply fuel gas to the well.

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DEC 13 2000

DIVISION OF  
OIL, GAS AND MINING

18. I hereby certify that the foregoing is true and correct

SIGNED [Signature]

TITLE Office Manager

DATE December 11, 2000

(This space for Federal or State office use)

APPROVED BY \_\_\_\_\_  
CONDITIONS OF APPROVAL, IF ANY \_\_\_\_\_

TITLE \_\_\_\_\_

DATE \_\_\_\_\_

\*See Instructions on Reverse Side



## Division of Oil, Gas and Mining

## Operator Change/Name Change Worksheet-for State use only

Effective Date: 7/1/2014

FORMER OPERATOR:	NEW OPERATOR:
COCHRANE RESOURCES, INC N7015 PO BOX 1656 ROOSEVELT UT 84066 435-722-5081	WESTSTAR EXPLORATION COMPANY N2655 1001 WEST LOOP SOUTH STE 525 HOUSTON TX 77027 713-223-5837
CA Number(s):	Unit(s):

**WELL INFORMATION:**

Well Name	Sec	TWN	RNG	API	Entity	Mineral	Surface	Type	Status
COYOTE BASIN FED 14-18	18	8S	25E	4304731521	11869	Federal	Federal	OW	P

**OPERATOR CHANGES DOCUMENTATION:**

1. Sundry or legal documentation was received from the **FORMER** operator on: 1/14/2015
2. Sundry or legal documentation was received from the **NEW** operator on: 1/6/2015
3. New operator Division of Corporations Business Number: 7338013-0143

**REVIEW:**

1. Surface Agreement Sundry from **NEW** operator on Fee Surface wells received on: N/A
2. Receipt of Acceptance of Drilling Procedures for APD/New on: N/A
3. Reports current for Production/Disposition & Sundries: 1/16/2015
4. OPS/SI/TA well(s) reviewed for full cost bonding: N/A
5. UIC5 on all disposal/injection/storage well(s) approved on: N/A
6. Surface Facility(s) included in operator change: N/A
7. Inspections of PA state/fee well sites complete on (only upon operators request): N/A

**NEW OPERATOR BOND VERIFICATION:**

1. Federal well(s) covered by Bond Number: UTB000101
2. Indian well(s) covered by Bond Number: N/A
3. State/fee well(s) covered by Bond Number(s): N/A

**DATA ENTRY:**

1. Well(s) update in the **OGIS** on: 1/16/2015
2. Entity Number(s) updated in **OGIS** on: 1/16/2015
3. Unit(s) operator number update in **OGIS** on: N/A
4. Surface Facilities update in **OGIS** on: N/A
5. State/Fee well(s) attached to bond(s) in **RBDMS** on: N/A
6. Surface Facilities update in **RBDMS** on: N/A

**LEASE INTEREST OWNER NOTIFICATION:**

1. The **NEW** operator of the Fee (Mineral) wells has been contacted and informed by a letter from the Division of their responsibility to notify all interest owners of this change on: N/A

**COMMENTS:**

STATE OF UTAH  
DEPARTMENT OF NATURAL RESOURCES  
DIVISION OF OIL, GAS AND MINING

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JAN 14 2015

FORM 9

SUNDRY NOTICES AND REPORTS ON WELLS

Do not use this form for proposals to drill new wells, significantly deepen existing wells below current bottom-hole depth, reenter plugged wells, or to drill horizontal laterals. Use APPLICATION FOR PERMIT TO DRILL form for such proposals.

1. TYPE OF WELL OIL WELL <input checked="" type="checkbox"/> GAS WELL <input type="checkbox"/> OTHER _____		5. LEASE DESIGNATION AND SERIAL NUMBER: U-64575
2. NAME OF OPERATOR: Cochrane Resources Inc.		6. IF INDIAN, ALLOTTEE OR TRIBE NAME:
3. ADDRESS OF OPERATOR: P.O. Box 1656 CITY Roosevelt STATE Ut ZIP 84066		7. UNIT or CA AGREEMENT NAME:
4. LOCATION OF WELL FOOTAGES AT SURFACE: 705' FWL, 677' FSL, Sec 18, T8S, R25E. QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN: SWSW 18 T8S R25		8. WELL NAME and NUMBER: Federal 14-18 9. API NUMBER: 4304731521 10. FIELD AND POOL, OR WILDCAT: Coyote Basin
		COUNTY: Uintah STATE: UTAH

11. CHECK APPROPRIATE BOXES TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA			
TYPE OF SUBMISSION	TYPE OF ACTION		
<input type="checkbox"/> NOTICE OF INTENT (Submit in Duplicate) Approximate date work will start: _____	<input type="checkbox"/> ACIDIZE <input type="checkbox"/> ALTER CASING <input type="checkbox"/> CASING REPAIR <input type="checkbox"/> CHANGE TO PREVIOUS PLANS <input type="checkbox"/> CHANGE TUBING <input type="checkbox"/> CHANGE WELL NAME <input type="checkbox"/> CHANGE WELL STATUS <input type="checkbox"/> COMMINGLE PRODUCING FORMATIONS <input type="checkbox"/> CONVERT WELL TYPE	<input type="checkbox"/> DEEPEN <input type="checkbox"/> FRACTURE TREAT <input type="checkbox"/> NEW CONSTRUCTION <input type="checkbox"/> OPERATOR CHANGE <input type="checkbox"/> PLUG AND ABANDON <input type="checkbox"/> PLUG BACK <input type="checkbox"/> PRODUCTION (START/RESUME) <input type="checkbox"/> RECLAMATION OF WELL SITE <input type="checkbox"/> RECOMPLETE - DIFFERENT FORMATION	<input type="checkbox"/> REPERFORATE CURRENT FORMATION <input type="checkbox"/> SIDETRACK TO REPAIR WELL <input type="checkbox"/> TEMPORARILY ABANDON <input type="checkbox"/> TUBING REPAIR <input type="checkbox"/> VENT OR FLARE <input type="checkbox"/> WATER DISPOSAL <input type="checkbox"/> WATER SHUT-OFF <input checked="" type="checkbox"/> OTHER: <u>Change Operator</u>
<input type="checkbox"/> SUBSEQUENT REPORT (Submit Original Form Only) Date of work completion: _____			

12. DESCRIBE PROPOSED OR COMPLETED OPERATIONS. Clearly show all pertinent details including dates, depths, volumes, etc.

Operator:

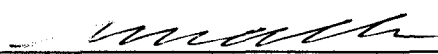
Cochrane Resources Inc.  
Po Box 1656  
Roosevelt, Utah  
84066.

New Operator

WestStar Exploration Company  
1001 West Loop South, Suite 525  
Houston Texas, 77072

Phone 713-223-5837

Effective date of operator change July 1st, 2014

NAME (PLEASE PRINT) <u>Ken Allen</u>	TITLE <u>President</u>
SIGNATURE <u></u>	DATE <u>1/8/2015</u>

APPROVED

(This space for State use only)

JAN 16 2015

DIV. OIL GAS & MINING  
BY: Rachel Medina

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JAN 06 2015

STATE OF UTAH  
DEPARTMENT OF NATURAL RESOURCES  
DIVISION OF OIL, GAS AND MINING

DIV. OF OIL, GAS &amp; MINING

FORM 9

## SUNDRY NOTICES AND REPORTS ON WELLS

Do not use this form for proposals to drill new wells, significantly deepen existing wells below current bottom-hole depth, reenter plugged wells, or to drill horizontal laterals. Use APPLICATION FOR PERMIT TO DRILL form for such proposals.

1. TYPE OF WELL OIL WELL <input checked="" type="checkbox"/> GAS WELL <input type="checkbox"/> OTHER _____		5. LEASE DESIGNATION AND SERIAL NUMBER: UT64575
2. NAME OF OPERATOR: WestStar Exploration Company		6. IF INDIAN, ALLOTTEE OR TRIBE NAME:
3. ADDRESS OF OPERATOR: 1001 West Loop South, Ste. 5 CITY Houston STATE TX ZIP 77027		7. UNIT or CA AGREEMENT NAME:
4. LOCATION OF WELL: FOOTAGES AT SURFACE: COUNTY: Uintah		8. WELL NAME and NUMBER: Federal 14-18
QTR/CTR, SECTION, TOWNSHIP, RANGE, MERIDIAN: SW 18 T85 R25 E STATE: UTAH		9. API NUMBER: 4304731521
		10. FIELD AND POOL, OR WILDCAT:

11. CHECK APPROPRIATE BOXES TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA			
TYPE OF SUBMISSION	TYPE OF ACTION		
<input type="checkbox"/> NOTICE OF INTENT (Submit in Duplicate) Approximate date work will start: _____	<input type="checkbox"/> ACIDIZE	<input type="checkbox"/> DEEPEN	<input type="checkbox"/> REPERFORATE CURRENT FORMATION
	<input type="checkbox"/> ALTER CASING	<input type="checkbox"/> FRACTURE TREAT	<input type="checkbox"/> SIDETRACK TO REPAIR WELL
	<input type="checkbox"/> CASING REPAIR	<input type="checkbox"/> NEW CONSTRUCTION	<input type="checkbox"/> TEMPORARILY ABANDON
	<input type="checkbox"/> CHANGE TO PREVIOUS PLANS	<input checked="" type="checkbox"/> OPERATOR CHANGE	<input type="checkbox"/> TUBING REPAIR
	<input type="checkbox"/> CHANGE TUBING	<input type="checkbox"/> PLUG AND ABANDON	<input type="checkbox"/> VENT OR FLARE
<input type="checkbox"/> SUBSEQUENT REPORT (Submit Original Form Only) Date of work completion: _____	<input type="checkbox"/> CHANGE WELL NAME	<input type="checkbox"/> PLUG BACK	<input type="checkbox"/> WATER DISPOSAL
	<input type="checkbox"/> CHANGE WELL STATUS	<input type="checkbox"/> PRODUCTION (START/RESUME)	<input type="checkbox"/> WATER SHUT-OFF
	<input type="checkbox"/> COMINGLE PRODUCING FORMATIONS	<input type="checkbox"/> RECLAMATION OF WELL SITE	<input type="checkbox"/> OTHER: _____
	<input type="checkbox"/> CONVERT WELL TYPE	<input type="checkbox"/> RECOMPLETE - DIFFERENT FORMATION	

12. DESCRIBE PROPOSED OR COMPLETED OPERATIONS. Clearly show all pertinent details including dates, depths, volumes, etc.

NAME (PLEASE PRINT) William Gilmore

TITLE President

SIGNATURE

DATE 1/6/2015

(This space for State use only)

APPROVED

JAN 16 2015

DIV. OIL GAS &amp; MINING

BY: Rachel Medina